

Body Pass Program

User Manual (ioi 353)



Jawon Medical

Contents

Contents	2
Installation	3
1. System Environment for Installing and Working This Program	3
2. Body Pass Installation	4
3. USB Driver Installation – Body Composition Analyzer	7
4. Installing USB Driver-Lifecorder	14
Deletion	17
Data Backup & Restoration	18
1. Data Backup	18
2. Data Restoration	19
How to Use Body Pass	20
1. Log-in	20
2. Registering, Modifying, and Deleting Member	21
3. Searching Member	23
4. Setting Communication Port	26
5. Making and Transmitting Logo	27
6. Transmitting Member	32
7. Receiving Data from Body Composition Analyzer	32
8. Receiveing Lifecorder data	35
9. Setting Result Sheet Print	42
10. Saving Entire Member File	43
11. Measured Result	44
12. Measured Result List	50
13. Measured Result Graph	52
14. How to See the Lifecorder data	53
15. Checking Program Version	54
16. Exiting Body Pass Program	55

notice

From now on, the pictures of all installation procedure and contents will be explained on basis of ioi 353. In case of other model, the images included in instruction may be different.

Installation

1. System Environment for Installing and Working This Program

1) To run this program smoothly, computer environment specified below is required.

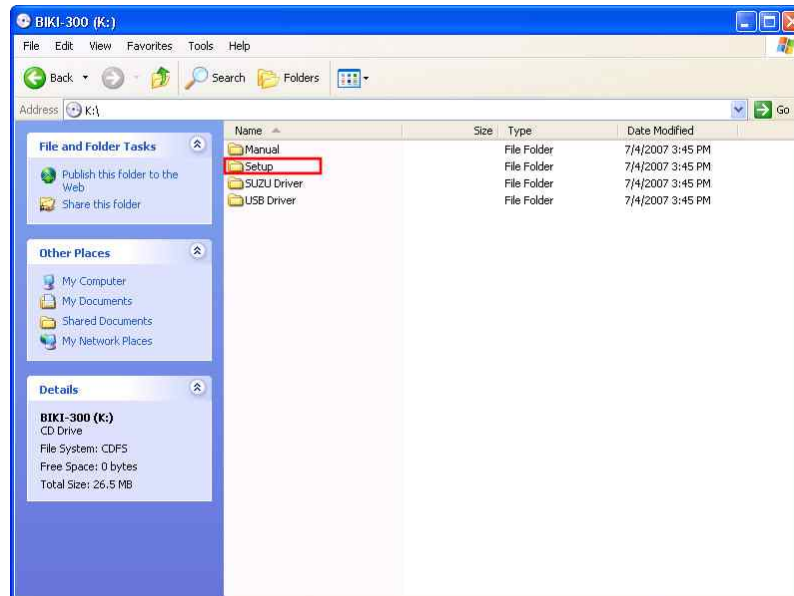
- ① CPU: Pentium III, 600 MHz or more
- ② MEMORY: 128M or more
- ③ Monitor Resolution: 1024×768
- ④ Operation System: WINDOWS 2000, XP, 7 (x86,x64), Vista (x86,x64)
- ⑤ USB port for communication

2) Things needed to install this program

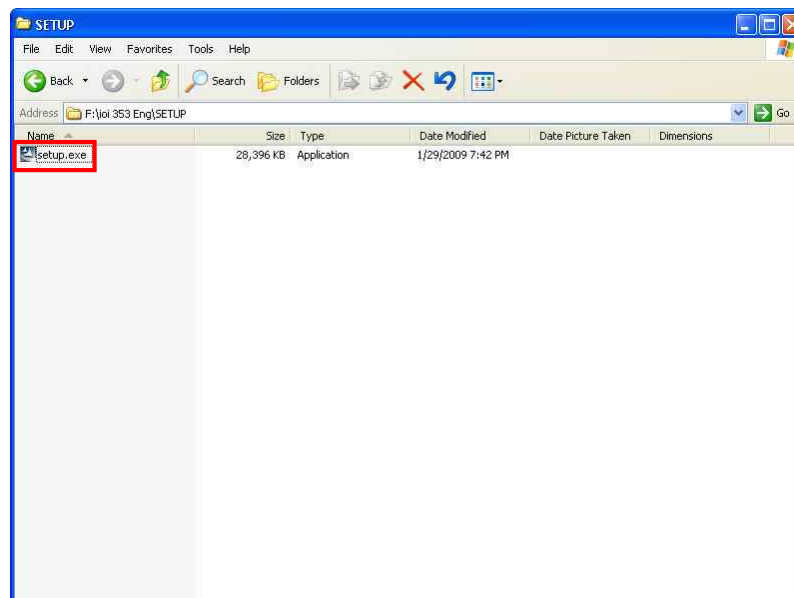
- ① PC which is to be connected with body composition analyzer
- ② Program installation CD - Installation CD offered with body composition analyzer
- ③ Equipments for communication - USB cable (cable)

2. Body Pass Installation

1) Put the program installation CD in CD-ROM drive. Check the contents in the CD-ROM.



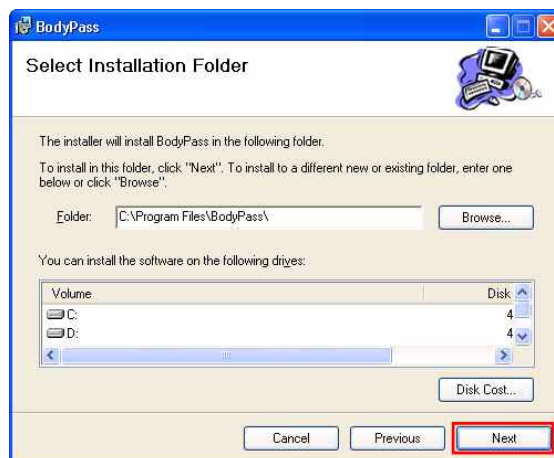
2) Program installation is started by double click of the BodyPass.msi file in the installation CD.



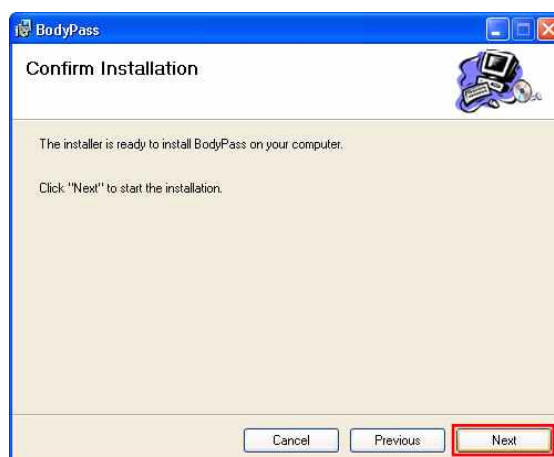
3) When “BodyPass Setup Wizard” window appears, click “Next” button.



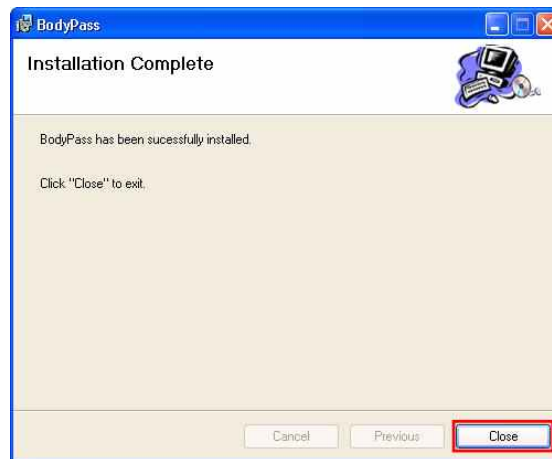
4) When the window changes like below picture, click “Next” button.



5) When the window changes like below picture, click “Next” button.



- 6) When the window changes like below picture after installation, click “Close” button then installation is completed.



- 7) After program installation is completed, BodyPass(ioi 353) short cut icon is created on the desktop and this program is added in the list that appears when you click “Start” button at the left bottom of window, start > BodyPass(ioi 353). BodyPass program can be executed through the icon or the list.

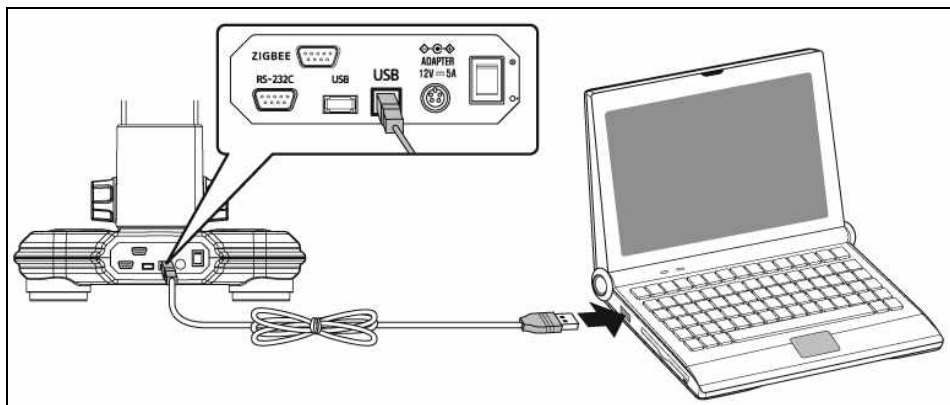


3. USB Driver Installation – Body Composition Analyzer

This is how to install the driver for USB port of body composition analyzer in order to use it when a computer is connected with the body composition analyzer.

1) Connecting USB cable

Connect the USB port in the rear panel of body composition analyzer and a USB port of a computer with the USB cable offered by our company.

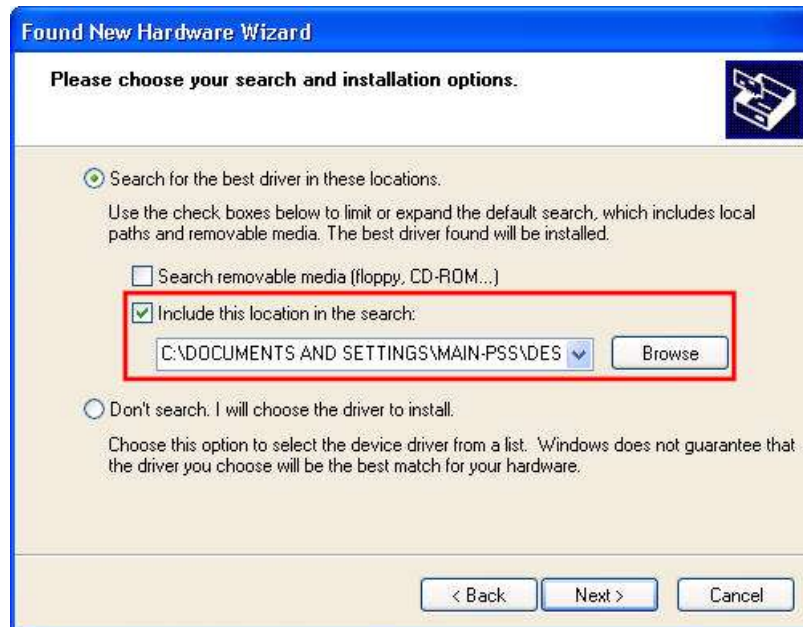


2) A message appears that indicates a new hardware is added and “Found New Hardware Wizard” window below appears.

Put the BodyPass program CD in the CD-ROM and choose “Install from a list or specific location (Advanced)” then click “Next” button.



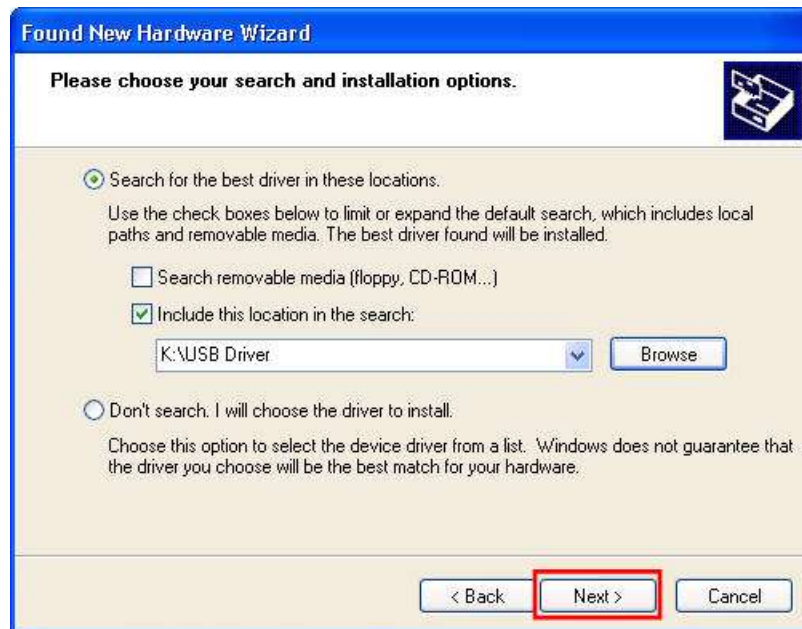
- 3) When the window changes like below picture, choose “Include this location in the search” and click “Browse” button.



- 4) When “Browse For Folder” window appears, choose “USB driver” folder in BodyPass program CD and click “OK” button.



5) Confirm that the folder chosen at step 4 is assigned like below picture and click “Next” button.



6) The window like below picture appears and “USB driver” is searched and installed automatically.



7) When the window like below picture appears, click “Continue Anyway” button.



8) When the window like below picture appears after installation, click “Finish” button.



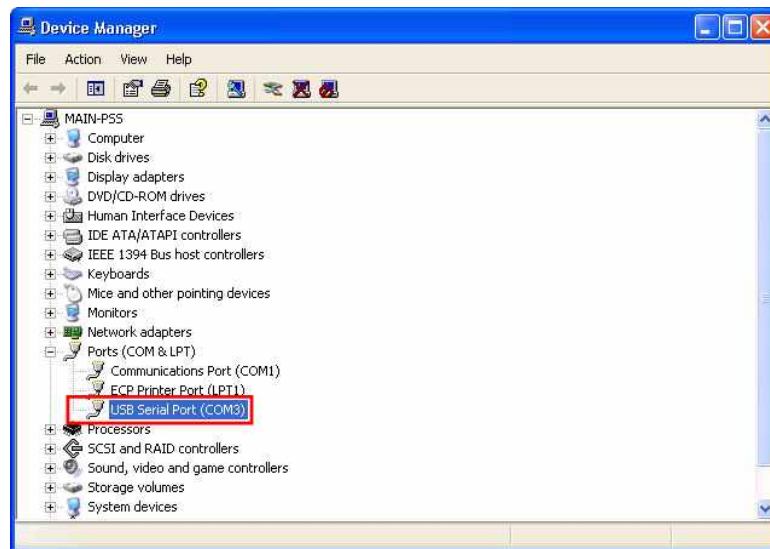
9) After USB<->Serial driver is installed, “Found New Hardware Wizard” is executed again and starts installing USB Serial Port driver. This is repeated 2 ~ 4 times.

10) After all installation needed is completed,

click start → Setup → Control Panel → System → Device Manager → list

It is checked that “USB Serial Port (COM3)” is added by double-clicking “Ports (COM & LPT).”

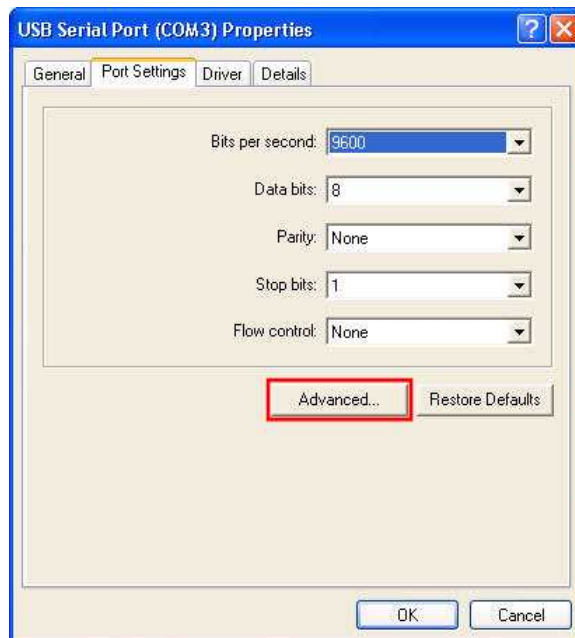
(Port number can be assigned as another number.).



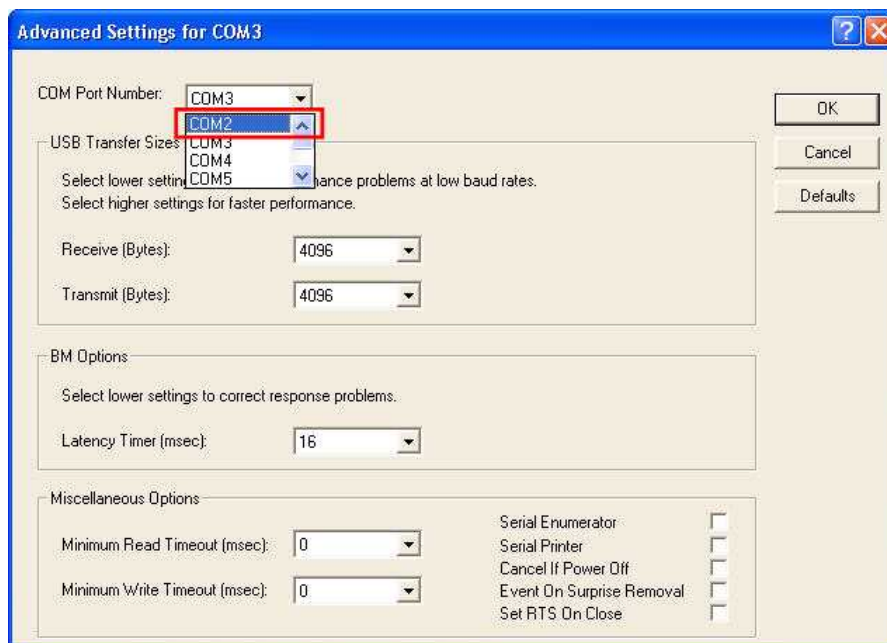
11) If you want to change port number, double-click “USB Serial Port (COM3)” then the window like below picture appears. Click “Port Settings.”



12) Then the window changes like below picture. Click “Advanced...” button.



13) The window like below picture appears. Choose “COM port number” and click “OK” button.
(COM2 is used in this manual.)

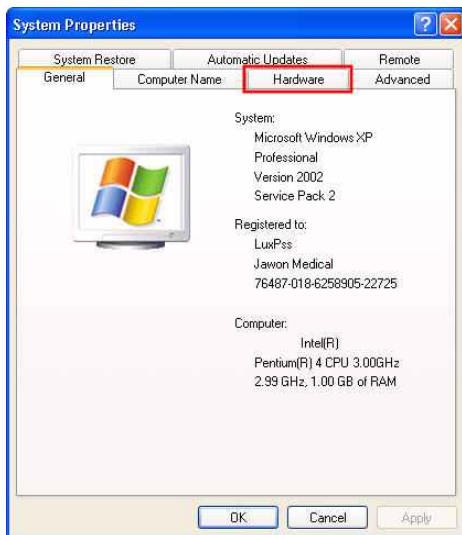


14) After port number change is completed, communication is possible between the body composition analyzer and the computer when they are connected through USB cable.

Notice

In case “Found New Hardware Wizard” wizard does not appear automatically,
Place the mouse on “My Computer” icon of desktop and click the right button of the mouse
then pop up menu is opened. Click “Properties” then the window like below picture appears.

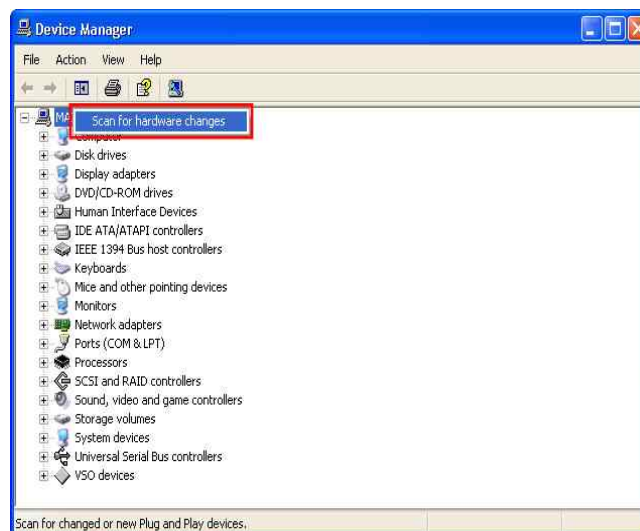
① Click “Hardware” tap.



② Click “Device Manager (D)”.



③ When “Device Manager” window appears, click the right button of mouse then pop up menu is opened. Open wizard window by clicking “Scan for hardware changes” and start installing from the beginning.

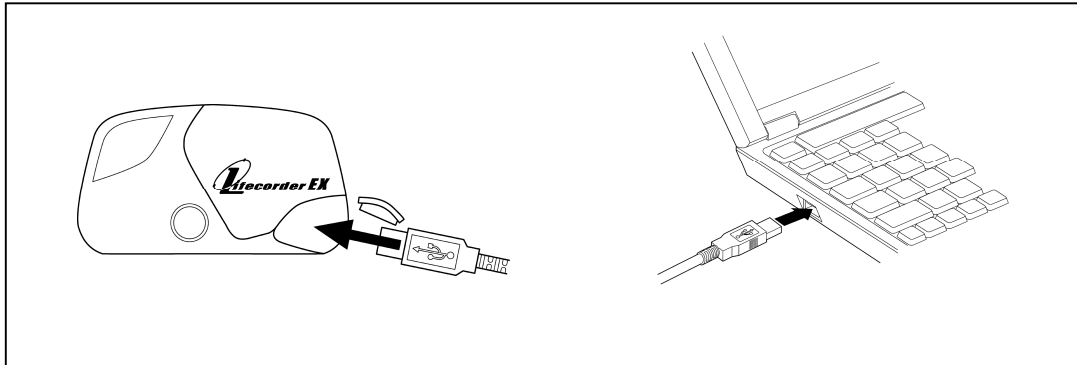


4. Installing USB Driver-Lifecorder

The way to install USB driver in order to use a USB terminal when connect with Lifecorder and computer.

1) Connecting USB cable

Please connect the terminal at the side of Lifecorder and the terminal of computer using USB cable provided from our company.

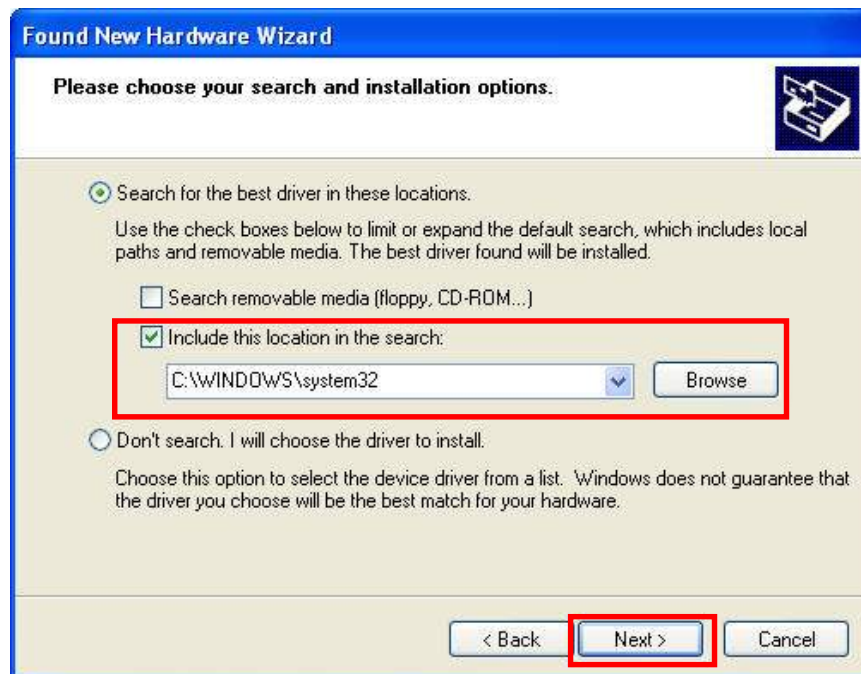


2) 'Found New Hardware Wizard' window shows with an additional message as follows.

Put Body Pass program CD into CD-ROM and check the 'Install from a list or specific location (Advanced)' and then click the 'Next' button.



- 3) When the window like below shows, check the 'Include this location in the search' and press the 'Browse' button. Please choose 'Local Disk(C:) ->Windows ->System32' and click the 'Next' button.



- 4) With the window as below, USB driver is searched and installed automatically.



5) If the window shows as below, press the 'Finish' button then the installation is finished.

**notice**

To connect our Body Composition Analyzer and Lifecorder with PC, two USB ports of user PC are necessary. (One connects Body Composition Analyzer and the other connects Lifecorder.)

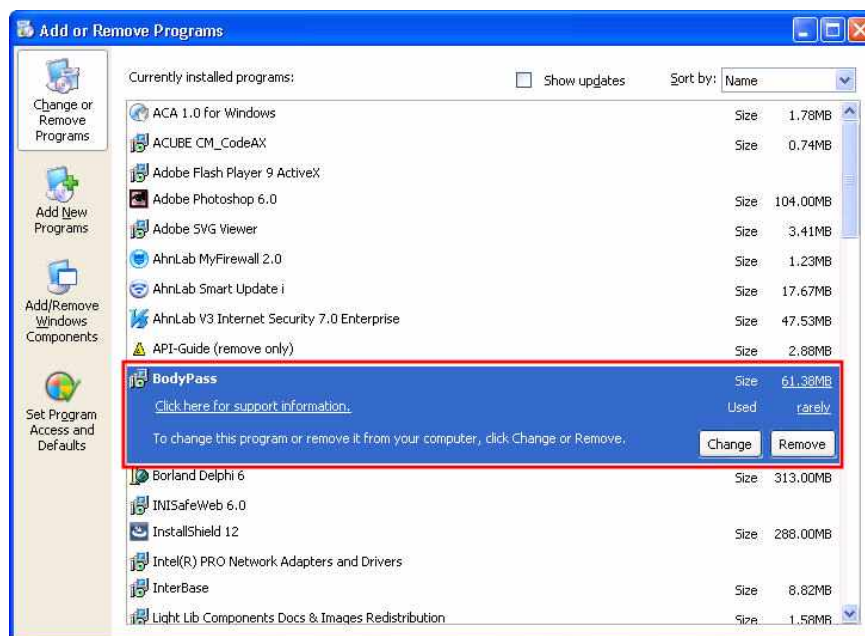
When user PC doesn't have enough USB port, need to use USB herb equipment.

In this case, **the Lifecorder should connect with PC directly not USB herb.**

Because Lifecorder uses a power source of PC in order to transfer data.

Deletion

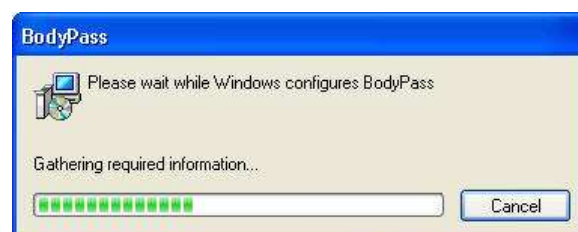
- 1) When deleting this program, data backup should be done before deletion. (Refer to p.18 about how to back up.)
- 2) Click “**start → Setup → Control Panel → Add or Remove Programs.**”
Choose “BodyPass” in the list of installed program and click “**Remove**” button.



- 3) When the window below appears, click “Yes” button.



- 4) The window appears that displays execution of program deletion. This window is closed after program deletion is completed.

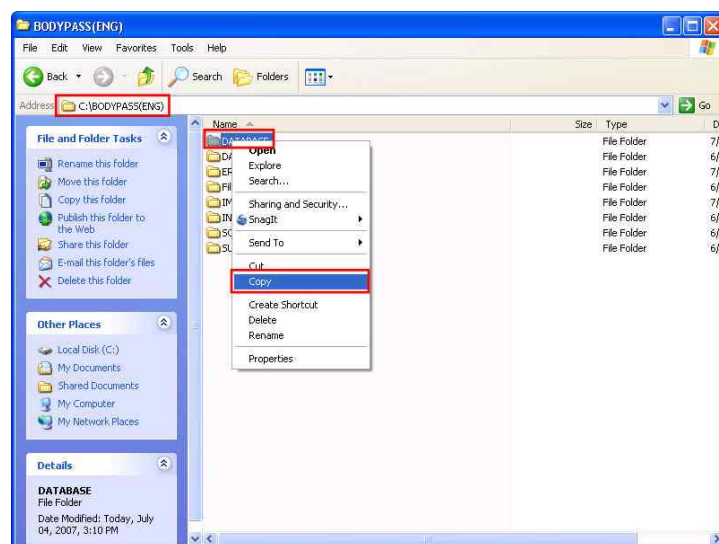


Data Backup & Restoration

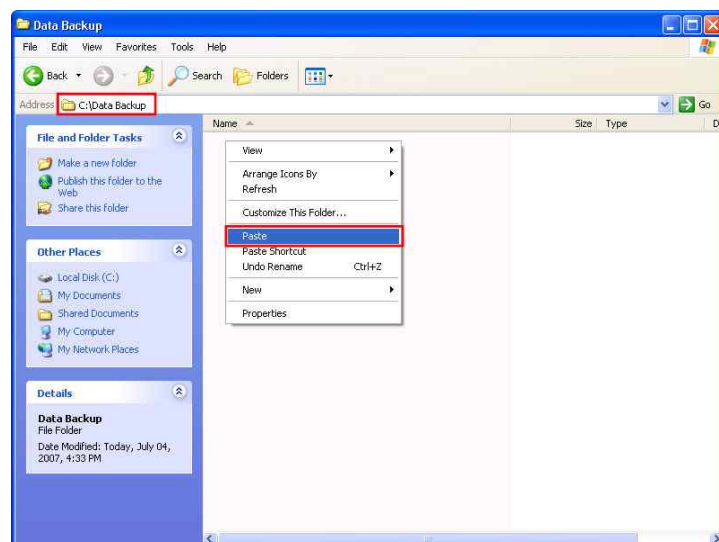
1. Data Backup

Because any problem occurs to the computer in which BodyPass program was installed and has been used up to now or there is some other reason, if this program need to be reinstalled you should **back up all measured data** stored in the computer before reinstallation.

- 1) Copy **“My Computer → local disk(C:) → BODYPASS(ENG) folder → DATABASE folder”**.



- 2) Make “Data Backup” folder at any location you want and paste the “DATABASE” folder copied in the “Data Backup” folder.



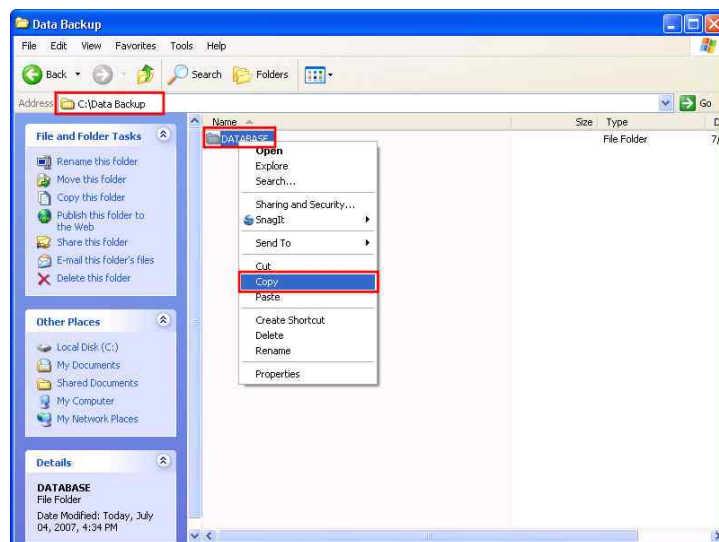
2. Data Restoration

In order to check previous data after reinstalling BodyPass program (refer to p.4 about how to install), you should restore the back up data.

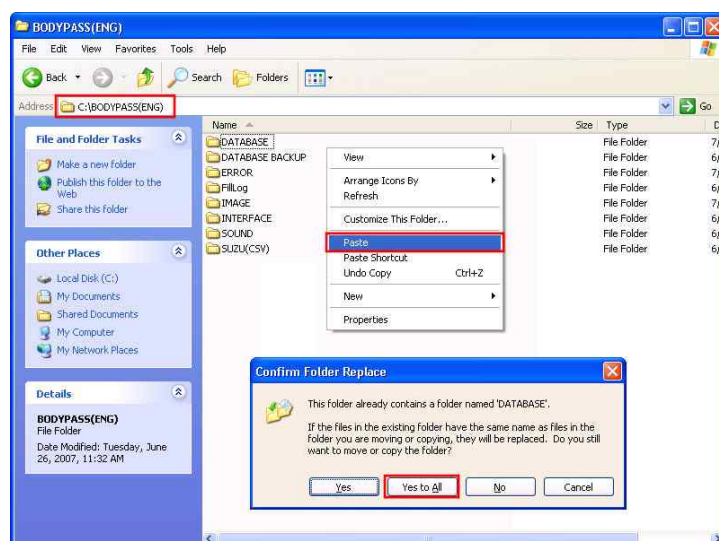
1) Before restoration, you should execute BodyPass program and exit it.

This is because program-related files are created when BodyPass program is executed.

2) Copy the back up data (DATABASE folder) in Data Backup folder you made.



3) Overwrite the DATABASE folder in “My Computer → local disk(C:) → BODYPASS(ENG) folder”.



How to Use Body Pass

1. Log-in

Below picture is the first screen that appears when BodyPass program is executed.

Input the ID and the password given to you and click log-in button. Then the main screen of this program appears.



2. Registering, Modifying, and Deleting Member

After log-in, the main screen like below picture appears.

The screenshot shows the 'Body composition data management program (Body Pass)' interface. The 'Information' tab is active, displaying input fields for member details: ID number, Name, Telephone, Address, Activity (dropdown), E-mail, and LC CPU No. There are also buttons for 'New input', 'Save', 'Modify', and 'Delete'. A 'Search' field and 'Member list'/'Entire member list' buttons are at the top right. Below the input fields is a table with columns: Date, Time, ID, Gender, Age, A.M.B., Height, Weight, P.R.F., M.B.F., L.B.M., T.B.W., B.M.I., Fatness, Std. wt., Abdo. Fat, B.M.R., T.E.E., Impedance, Systolic BP, Mean BP, Diastolic BP, and Pulse. The status bar at the bottom shows 'Body Pass Plus CT VER BLUE 2.0.00 09/01/29', 'COUNTRY: ENGLISH MACHINE: 101353 PORT: 2 Band Rate: 38400', and the date/time '2009/01/30 15:44:27'.

1) Member Registration

Input personal information of a member and click "Save" button.

You should input ID number, gender, name, date of birth, and height of the member.

This is a close-up of the 'Information' tab in the Body Pass software. The input fields are filled with test data: ID number '00000000000000000001', Name 'Test1', Birthdate '1973/04/05', Height '165.0', and Gender 'Male'. The 'Save' button is highlighted with a red box, and a red arrow points from it to the 'ID' column of the member list table on the right. The table has columns for ID, Name, Gender, and Age, with the first row showing 'Test1', 'Male', and '35'.

- ① ID number: input the ID number of a new member. ID is proper number to the member therefore cannot be duplicated. If ID number is duplicated, you will see the warning window that tells you the ID number is duplicated.
- ② Name: input the name of the member.
- ③ Gender: check the gender of the member.
- ④ Birthdate: input the date of birth of the member.
- ⑤ Telephone: input the phone number of the member.
- ⑥ Height: input the height of the member.
- ⑦ Address: input the address of the member.

- ⑧ Activity: choose one according to the amount of daily activity of the member. This is applied to total energy expenditure calculation of the member and is composed of five items.
- ⑨ E-mail: input the e-mail address of the member.
- ⑩ LC CPU No.: When connect member's Lifecorder, indicate the proper CPU No. shows.
 Deleting data: Lifecorder data are deleted.
 Lifecorder data: Move to 'Lifecorder information' of Lifecorder
 (Refer to page 53 for more explanation)
- ⑪ "Save" button: after inputting basal information of the member, click this button. Then the information appears on the right part of the screen and you can confirm the member information is registered.

2) Member Modification

Click a member you want to change personal information in the right list then the member's data is displayed under "Information" button. After modifying the items you want to change, click "Modify" button then the member's data is changed and displayed again in the right list.

ID	Name	Gender	Age
00000000000000000001	Test1	Male	35
00000000000000000002	Test2	Male	35

3) Member Deletion

Like modification, click a member you want to delete in the list then click "Delete" button.

When the confirmation window for member deletion appears, click "Yes" button then the member is deleted. If you delete a member, all measured data of the member are removed and it is not possible to restore the data.

ID	Name	Gender	Age
00000000000000000001	Test1	Male	35

3. Searching Member

1) Individual Member Search • Deletion

① Individual Member Search

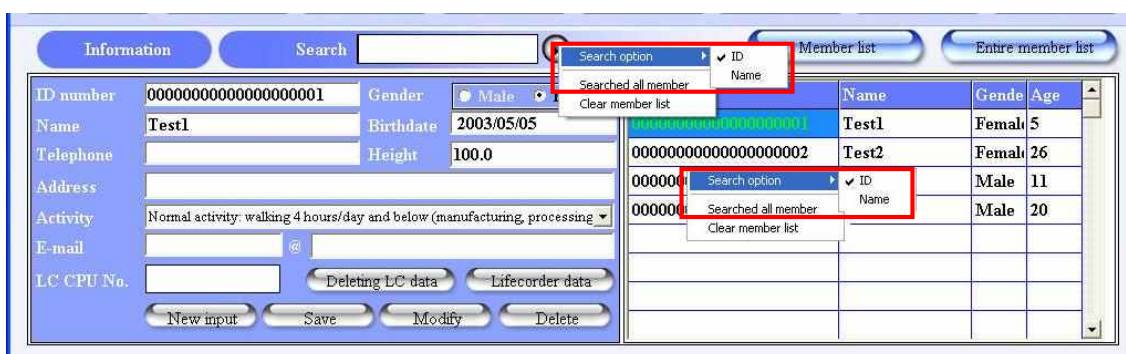
Place the mouse on any part of the right list and click right button of the mouse then pop up menu appears for “Search option/Delete”.

There are ID and name in search option. Input ID or name of the member you want to search then the member’s information is displayed.

(Search option can be chosen by clicking  button beside “Member list” button.)

If you want to see the latest measured result of the member, click “Measure result” in the menu buttons.

If you want to see measurement list of the member, double-click the member.



ID number	Name	Gender	Age
00000000000000000001	Test1	Female	5
00000000000000000002	Test2	Female	26
00000000000000000003	Test3	Male	11
00000000000000000004	Test4	Male	20

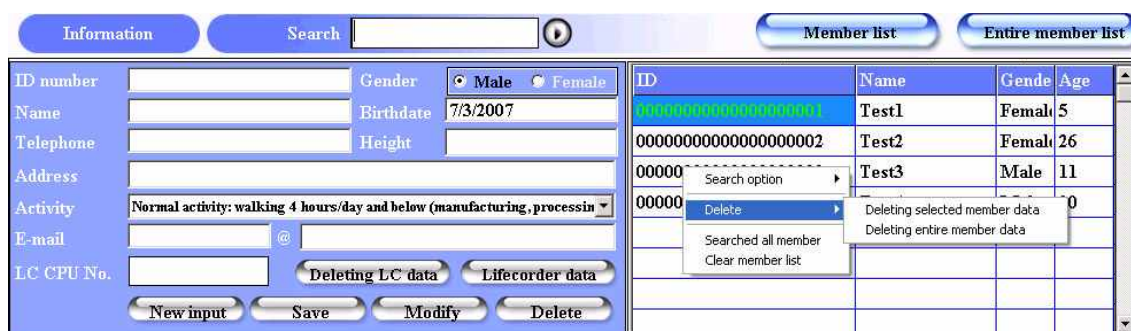
② Searched Member Deletion

Member deletion is possible through member search.

Place the mouse on any part of the right list and click right button of the mouse then pop up menu appears for “Search option/Delete”.

It is possible to delete the data of searched member or the entire member.

When you choose “Delete,” confirmation window for deletion and if you click “Yes” in the window, member information is deleted.



ID	Name	Gender	Age
00000000000000000001	Test1	Female	5
00000000000000000002	Test2	Female	26
00000000000000000003	Test3	Male	11
00000000000000000004	Test4	Male	20


- ③ Searched all member
Whole measuring data indicates on the member list.

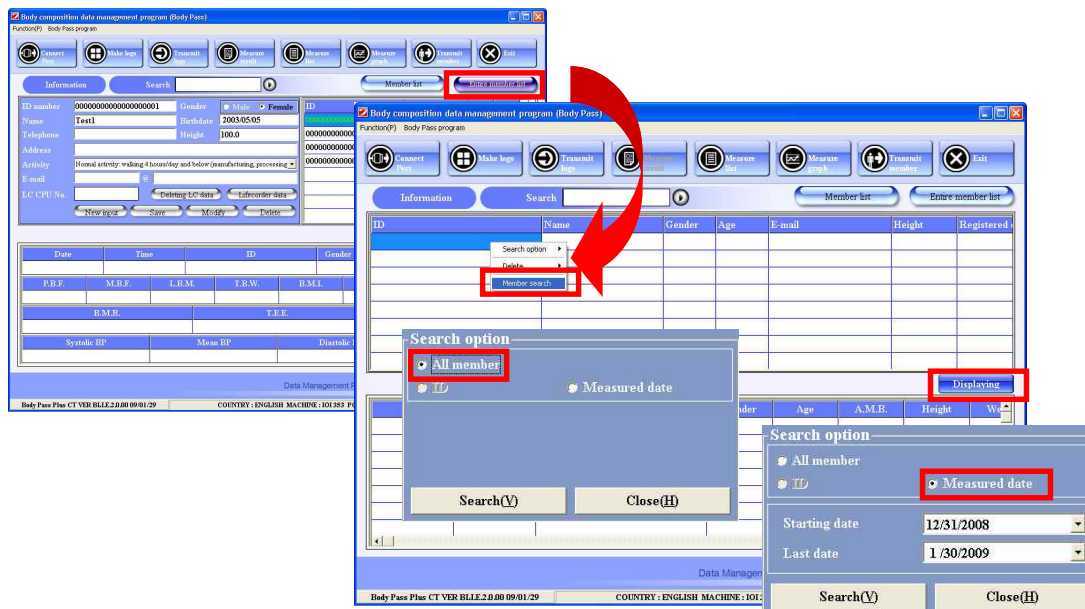
The screenshot shows the 'Body composition data management program (Body Pass)' window. The 'Member list' tab is active, displaying a table with columns: ID, Name, Gender, Age, and a 'Searched all member' button highlighted with a red box. Below the table, there are various measurement fields like P.B.F., M.B.F., L.B.M., T.B.W., B.M.I., Fatness, Std. wt., Abdo. Fat, B.M.R., T.E.E., Impedance, Systolic BP, Mean BP, Diastolic BP, and Pulse. The status bar at the bottom indicates 'Body Pass Plus CT VER BLLE2.0.00 09/01/29' and 'COUNTRY : ENGLISH MACHINE : IO1353 PORT : 2 Baud Rate : 38400'.

- ④ Clear member list
The member information is not indicated on the list.
If you select 'searched all member' you can see the member information again.

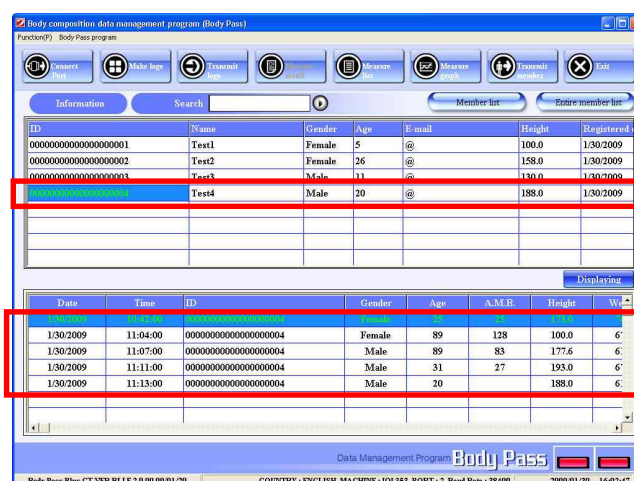
The screenshot shows the same 'Body Pass' window. The 'Member list' tab is active, and the 'Clear member list' button is highlighted with a red box. The table below the button is empty, indicating that the member information has been cleared. The status bar at the bottom shows the same system information as the previous screenshot.

2) Entire Member Search

Click “Entire member list” () button on the right side of the main screen then the entire member search screen appears like below picture.



- ① Place the mouse in the middle of the screen and click right button of the mouse then pop up menu appears. Choose “Member search” then search option window appears. Or click “Search option” button between the two tables then search option window appears.
- ② Select ‘All member’ or assign measured date you want to search in the search option window and click “Search” button then the searched member appears in the upper table like below picture.



- ③ When you click a member in the upper table, measured information of the member is displayed in the lower table.
- ④ When you double-click one in the lower table, result sheet of the measurement appears.

4. Setting Communication Port



This is to set communication port between the body composition analyzer and BodyPass program.

- 1) Click "Function → Selecting port" in the menu bar of upper left part of the main screen or "Connect port" button in the menu buttons. Then the window like below picture appears. Click "Port scan" button.



- 2) Available ports are searched and displayed.

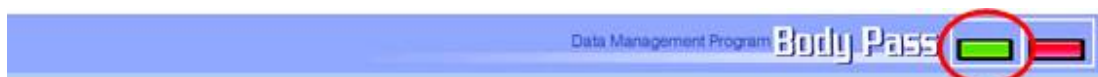


- 3) Double-click the port connected with the body composition analyzer then "CONNECTION OK!!!" appears.



- 4) Click "Apply" button in the window then confirmation window for chosen port. Click "OK" button in the confirmation window then communication connection is completed.

Body Pass shows the state of applied communication port at the right bottom of the main screen.



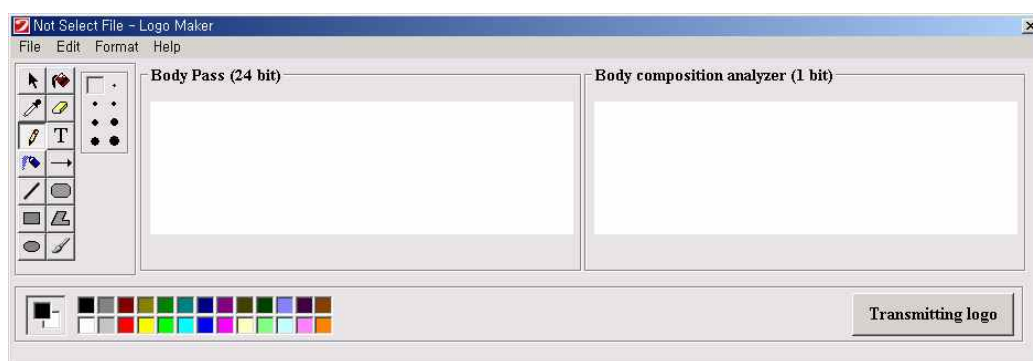
5. Making and Transmitting Logo



Logo is printed on the upper right part of result sheet.

Logo is printed as black and white from body composition analyzer but can be printed with color when printing is done through BodyPass program.

- 1) Click “Function→Making logo” in the menu bar of upper left part of the main screen or “Make logo” button in the menu buttons. Then the window like below picture appears.



- 2) Menus in LogoMaker are as follows.

① File



- a. New: this is to make a new logo.
- b. Open: this is to open existing logo or an image file.
- c. Save: this is to save the logo newly made.
- d. Print: this is to print the logo image.
- e. Close: this is to close the logomaker window.

② Edit



- a. Undo: this is to cancel what has done right before.
- b. Redo: this is to restore what has been canceled right before.

③ Format

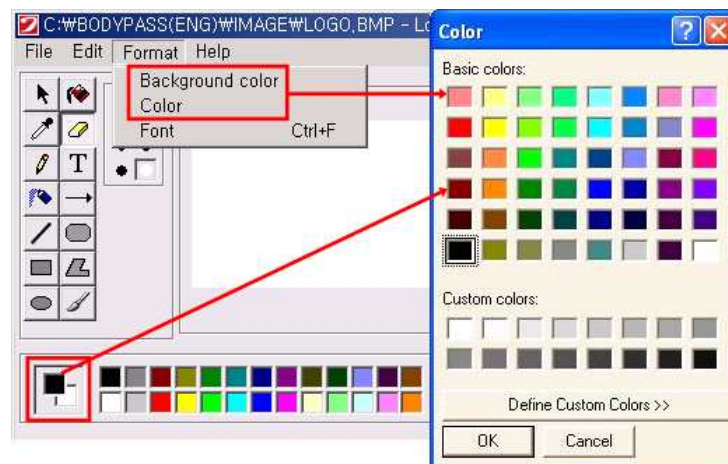
a. Background color: this is to choose the color of background.

b. Color: this is to choose the color for letter or line.

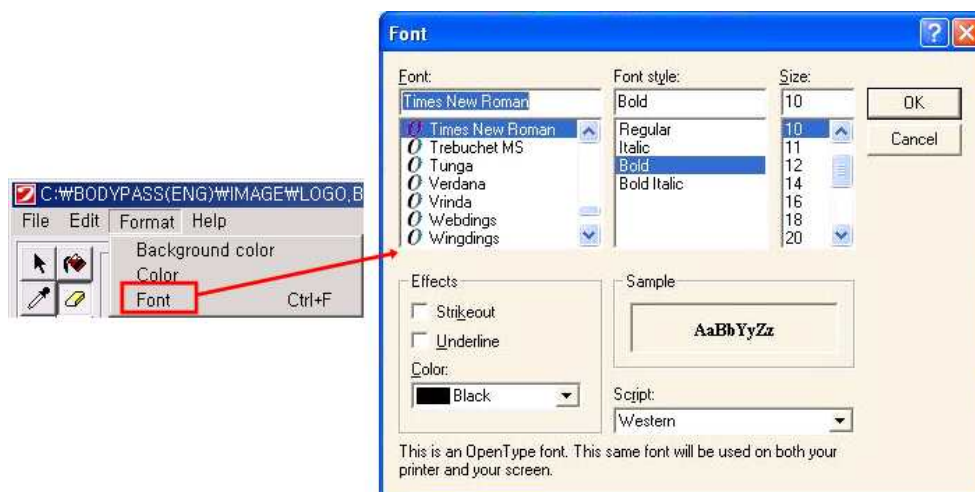
- It is possible to choose color from the color table at the bottom of the Logo Maker window.

- Color selection window appears by clicking “Format → Background color or Color” or double-clicking the left side of color table at the bottom of the Logo Maker window.

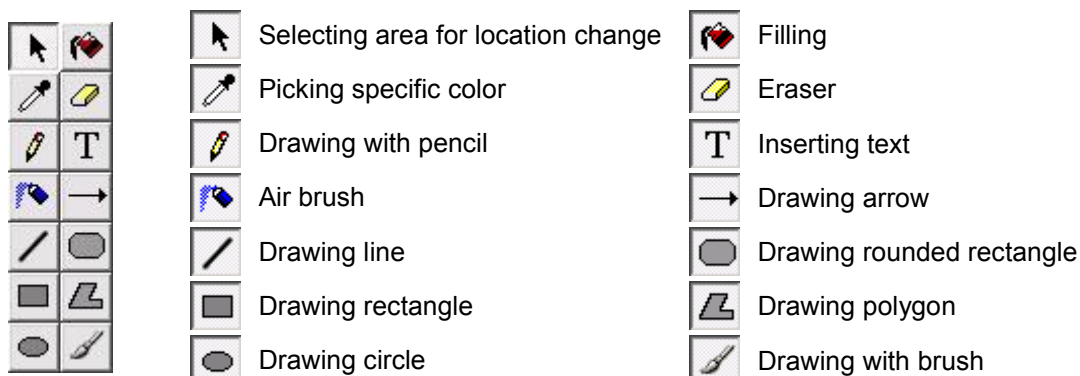
Choose the color you want and click “OK” button. The color is applied to following job.



c. Font: this is to choose style, size, color, etc. of the letter for logo. Font window appears by clicking “Font.” Choose the items you want and click “OK” button. The font is applied to the letters for making logo.

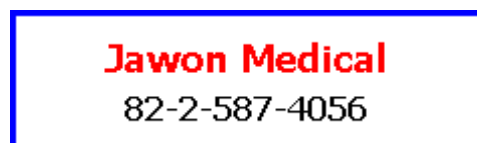


3) Menus in the tool box are as follows.



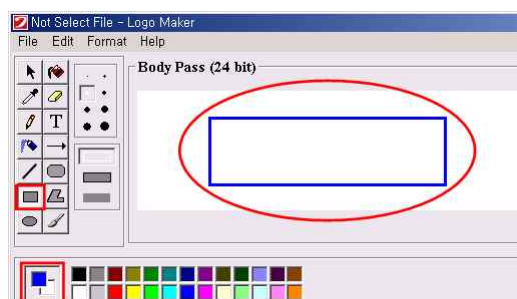
4) Example of making logo

Let's make the logo on the right.

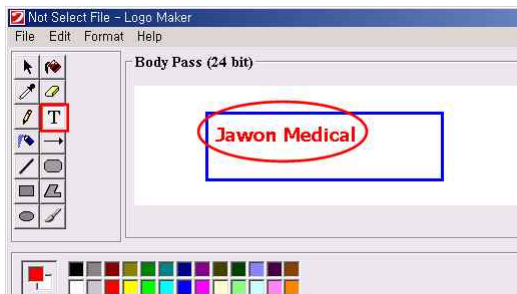



① Click blue in the color table at the bottom first and click rectangle in the tool box. Then draw a rectangle in the canvas.

② Open the Font window by clicking "Format → Font." In the Font window, choose Tahoma, Bold, 14, and red color and click "OK" button.

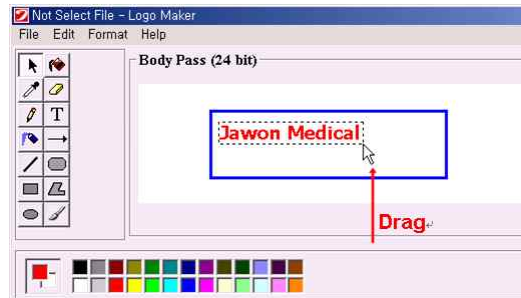
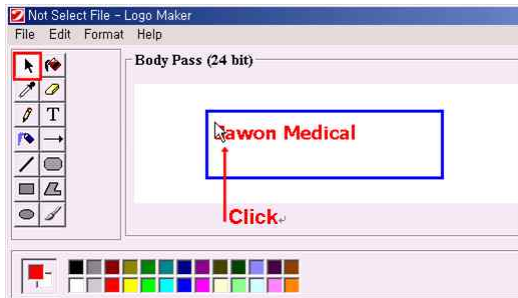


③ Click (Text) button first and click the point you want in the canvas then cursor appears. Enter "Jawon Medical."

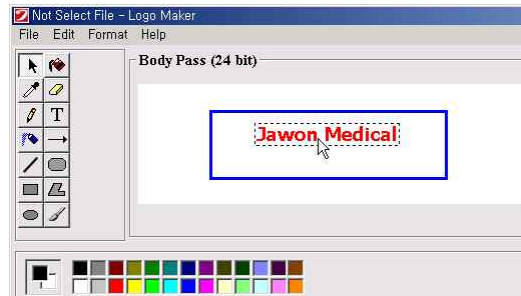
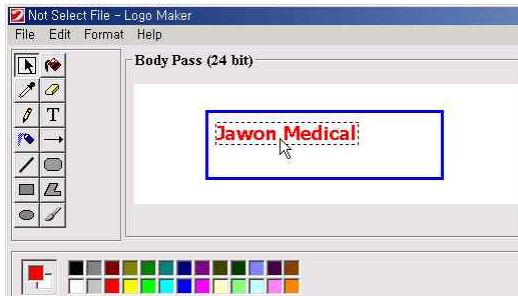



- ④ In order to move the text to the center, click  (Select Area) button in the tool box. Place and drag the mouse around the area you want to move then dotted line appears as rectangle. Move this rectangular area.

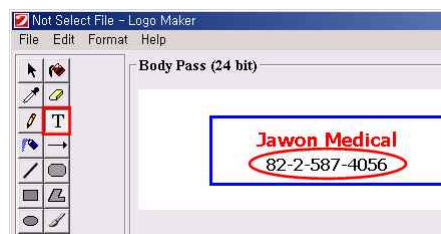
* Click start point of the area you want to move with left button of the mouse and drag the mouse to the end point without releasing the left button.



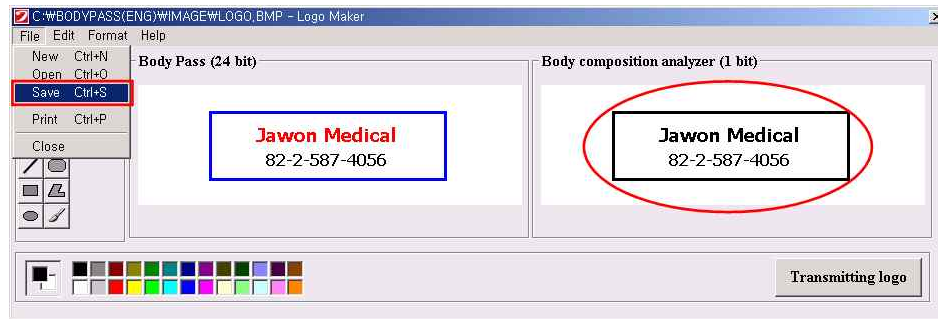
* Click the rectangular area marked with dotted line with left button and move the mouse **without releasing the left button** then the area is moved.



- ⑤ Open the Font window by click “Format → Font.” In the Font window, choose Tahoma, Bold, 12, and black color and click “OK” button.
- ⑥ Click  (Text) button first and click the point you want in the canvas then cursor appears. Enter “82-2-587-4056.”
- If you want to change the location, do it in the same way as shown in ④.



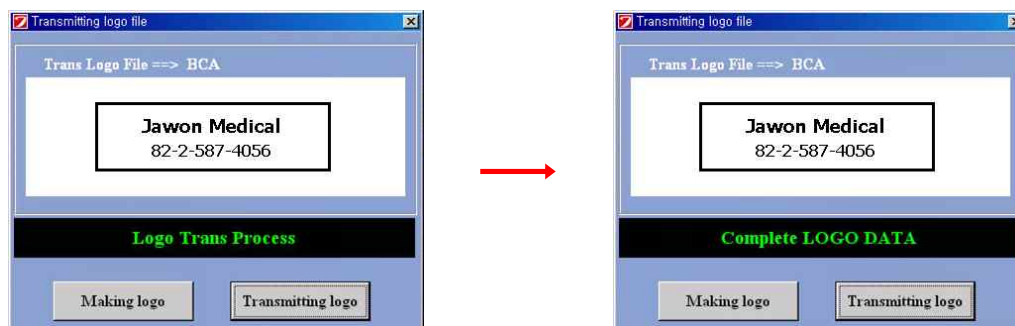
- ⑦ After logo is made, click “File → Save” in the menu bar on the upper left side of the Logo Maker window then the logo is saved and converted to the image transmitted to the body composition analyzer.



5) How to transmit the logo to the body composition analyzer

Click “Transmitting logo” button in the Logo Maker window then the Logo Maker window is closed and “Transmitting logo file” window appears. (Transmitting logo file window also appears by clicking “Transmit logo” button in the menu buttons of the main screen.)

When logo transmission is completed, the body composition analyzer sounds like tinkle and completion message appears in the Transmitting logo file window.



6. Transmitting Member



Transmit the information of the member who is to measure body composition to the body composition analyzer.

Click the member in the right list of the main screen first and click “Transmit member” button then the window like below appears. When member transmission is completed, the body composition analyzer sounds like tinkle and completion message appears in the window.



7. Receiving Data from Body Composition Analyzer

Body composition analysis data are displayed on the main screen when measuring is completed after member transmission.

Body composition data management program (Body Pass)

Function(P) Body Pass program

Buttons: Connect Port, Make logo, Transmit logo, Measure result, Measure list, Measure graph, Transmit member, Exit

Information Search Member list Entire member list

Form fields: ID number, Name, Telephone, Address, Activity (Normal activity: walking 4 hours/day and below (manufacturing, processing)), E-mail, LC CPU No., Gender (Male/Female), Birthdate (10/10/2007), Height.

Buttons: Deleting LC data, Lifecorder data, New input, Save, Modify, Delete

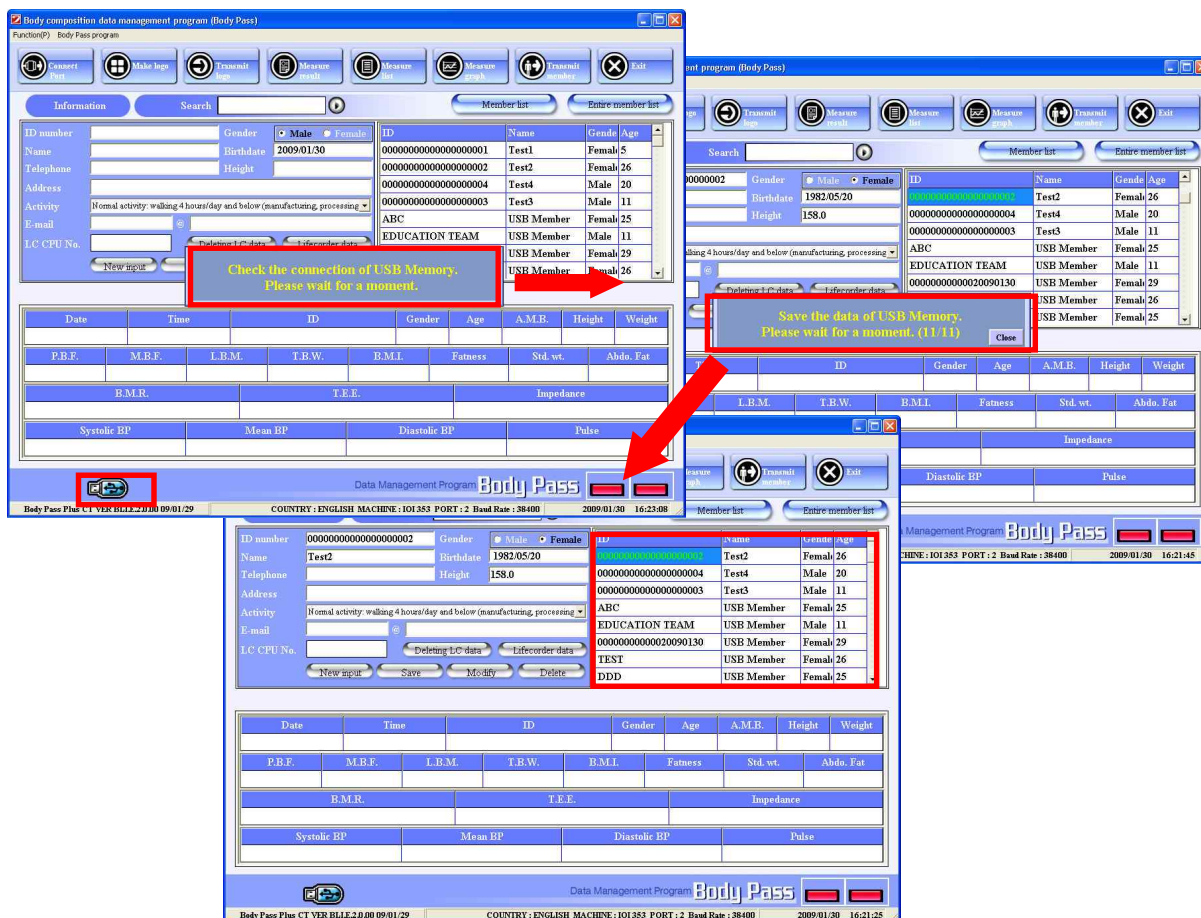
ID	Name	Gender	Age
000000001	TEST1	Female	23
000000002	TEST2	Male	57

Date	Time	ID	Gender	Age	A.M.B.	Height	Weight
2007/10/03	11:31:44 AM	000000002	Male	32	33	173.0	75.7
P.B.F.	M.B.F.	L.B.M.	T.B.W.	B.M.I.	Fatness	Std. wt.	Abdo. Fat
22.6	17.1	58.6	42.2	25.3	+15.0	65.8	10 step
B.M.R.		T.E.E.		Impedance			
1537		2367		387			
Systolic BP		Mean BP		Diastolic BP		Pulse	

Data Management Program **Body Pass**

Body Pass Plus CT VER BLUE2.0.00 09/01/29 COUNTRY: ENGLISH MACHINE: IOI353 PORT: 2 Baud Rate: 38400 2009/01/30 16:17:48

<Data reception using USB memory>



1) Data reception

Insert the USB memory which is saving of measuring data to PC then indicate some messages like above picture with icon of USB memory.

During reception of data if you press 'cancel' button, stop receiving the data and not saving.

If you double click the USB memory icon , indicate some messages like above picture and save the data.

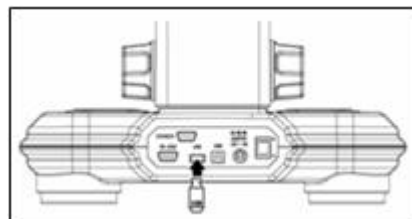
2) Complete to receive of data

When complete to receive from USB memory, the measuring data from main device indicates to the member list.

The member name, which is from USB memory USB, is saving as USB Member and if you want to amend, please refer 22nd page “Member modification”

NOTE**How to save the data to USB Memory****1) Select 'FLASH MEMORY'**

- ① Connect the USB memory stick on USB port on the back side of the device.



- ② The window will show 'Do you want to write data to USB memory stick?' on initial screen like picture. Press YES ('BACK' button) to send data to USB memory.
- ③ Transmitting window will be displayed on the screen. When transmission is completed, the message 'saved' will be shown. Press confirmation ('BACK' button) to complete the saving process.

**2) Select 'USB MEMORY'**

In case of 'USB MEMORY', there is no message but in each measurement, it is saving to USB Memory.

When you measure, you have to insert the USB Memory in the first screen of device. Otherwise if you don't insert the USB Memory, there is an error message and can't save the data. Therefore you should insert the USB Memory and measure again.

- * On the 'System setup' of main body, the "ID USAGE" must be setting as "YES" and in case of selection of each method then save the data with same method.
- * If there is no saving data on the FLASH MEMORY, if you select 'YES' on the screen above picture, indicates "No saved data". After measuring of body composition analyzer, insert the USB Memory.

8. Receiveing Lifecorder data

When connect the Lifecorder with PC having Body Pass program by USB cable, receive the Lifecorder Data.

1) Connecting new Lifecorder

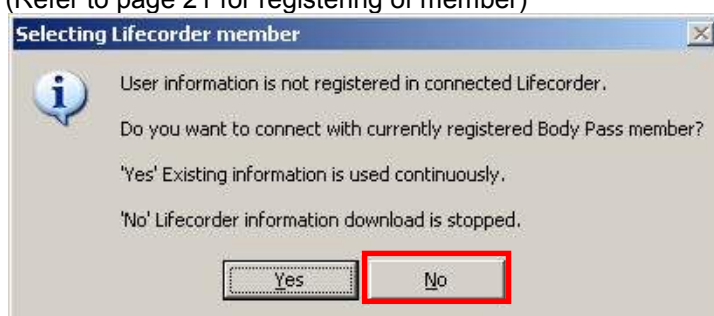
It is connecting with new Lifecorder or an initialized one.

① When do not register for member on Body Pass

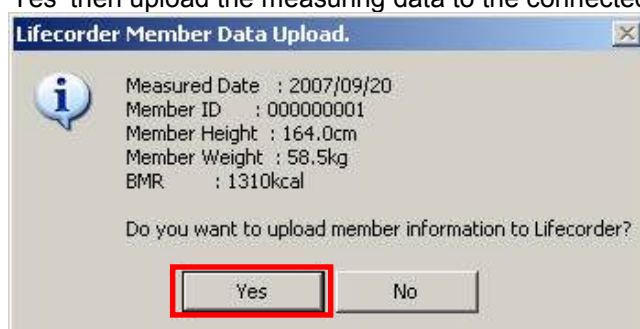
a. When connect new Lifecorder, appear the window as follows.

In this case, doesn't register as member so press the 'No' button and then register for member on main screen.

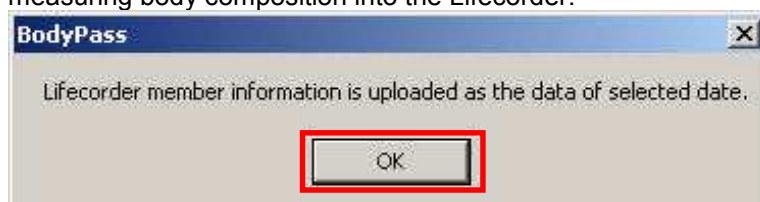
(Refer to page 21 for registering of member)



b. After member registration, please 'Transmit member' and measure the Body Composition. When receive the data of body composition, appear the window as below. Then press the 'Yes' then upload the measuring data to the connected Lifecorder as follows.

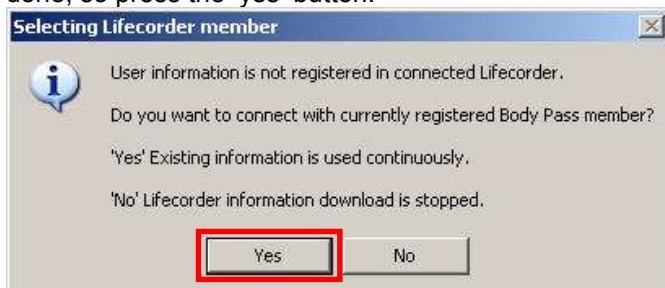


c. If appear below window, press the 'OK' button. Then it is completed to upload the measuring body composition into the Lifecorder.



② When member register is already done in body Pass but there are not data of Body Composition Analyzer

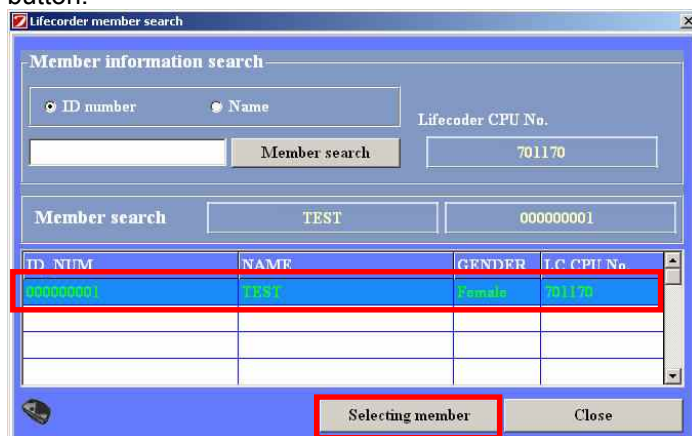
- a. When connect new Lifecorder, appear the window as below. Member register is already done, so press the 'yes' button.



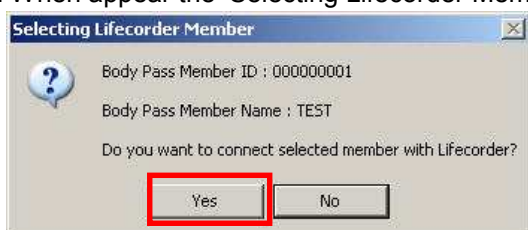
- b. If the following picture shows, choose the member to use the connected Lifecorder. Enter the member's ID or name and click the 'Member Search' button.



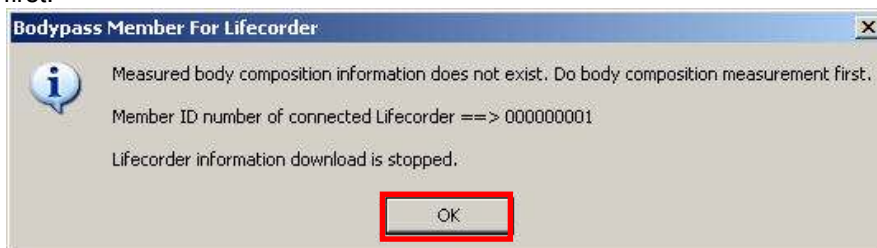
- c. If searching member shows, choose relevant member and press the 'Selecting member' button.



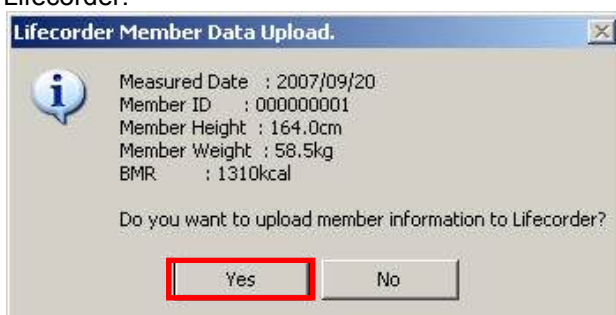
- d. When appear the 'Selecting Lifecorder Member' window as below, press the 'Yes' button.



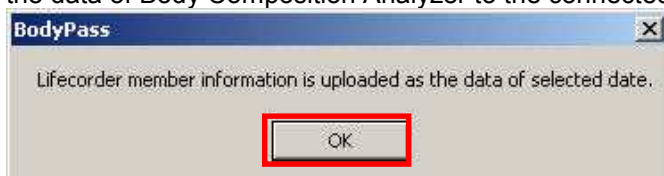
- e. As there are not measurement data of Body Composition Analyzer, following window is appeared. Close the window by pressing the 'OK' button. It is necessary to upload Body Composition Analyzer's data to Lifecorder so must measure Body Composition Analyzer first.



- f. Doing 'Transmit member' of relevant member and measure Body Composition. When receive measurement data of Body Composition Analyzer, appear the window as below. Press the 'Yes' button then the measurement data are uploaded to the connected Lifecorder.

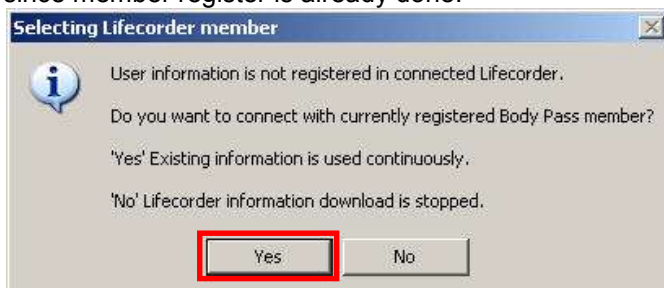


- g. When appear the window as below, press the 'OK' button. Then it is completed to upload the data of Body Composition Analyzer to the connected Lifecorder.



③ When member register is already done in Body Pass and there are data of Body Composition Analyzer

- a. When connect new Lifecorder, appear the window as below. Please press the 'Yes' button since member register is already done.



- b. When appear the window as below, choose the member to use the connected Lifecorder. Enter the member's ID or name and press the 'Selecting member' button.

- c. If searching member shows, choose relevant member and press the 'Selecting member' button.

- d. When appear 'Selecting Lifecorder Member' window as below, click the 'Yes' button.

- e. When appear the window as below, press 'Save' button.
Latest data are uploaded automatically to the connected Lifecorder.
Lifecorder doesn't have data actually but with upload, daily data are made so the message 'Data download' shows.

Member information of currently uploaded Lifecorder

LC CPU No.	701170	Height	164.0cm
ID number	0000000001	Age	15 yrs
Gender	Male	Weight	58.5kg
Date/Time	9/20/2007 3:00:00 PM	BMR	1310kcal

ID number	000000001
Name	TEST

Data download

f. When appear the window as below, press the 'Yes' button.

Lifecorder Info Save

Body Pass Member ID : 000000001
Body Pass Member Name : TEST

Do you want to save Lifecorder information to selected member?

g. If appear the window as below, press the 'OK' button.
It is completed to save the latest Measurement data of Body Composition.

BodyPass

Body Pass Member ID : 000000001
Body Pass Member Name : TEST

Lifecorder information is saved normally.

h. Doing 'Transmit member' of relevant member and measure body composition. When receive the measuring data, appear the window as below. Press the 'Yes' then the followings measurement data are uploaded to the connected Lifecorder.

Lifecorder Member Data Upload.

Measured Date : 2007/09/20
Member ID : 000000001
Member Height : 164.0cm
Member Weight : 58.5kg
BMR : 1310kcal

Do you want to upload member information to Lifecorder?

i. When appear the window as below, click the 'OK' button. Then the data's upload to the connected Lifecorder is over.

BodyPass

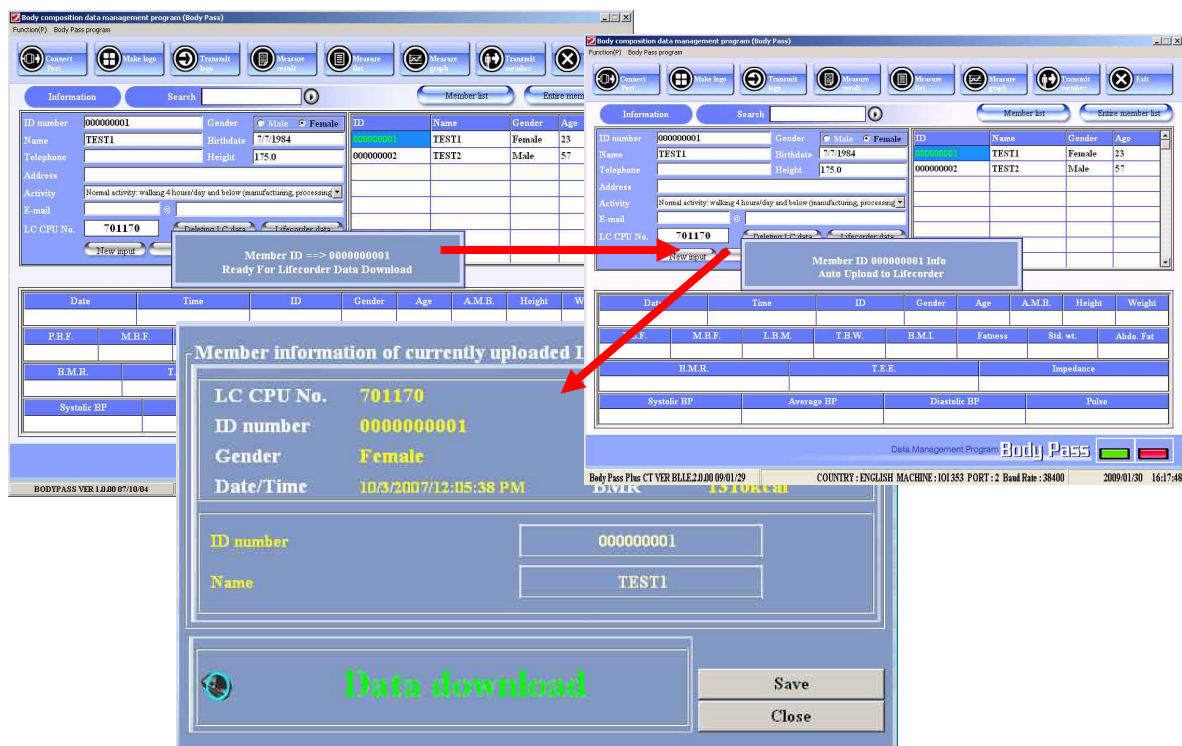
Lifecorder member information is uploaded as the data of selected date.

2) Connecting a using Lifecorder

It means that one is connection of existing member after connecting with new Lifecorder and another is connection of using Lifecorder without using Body Pass program.

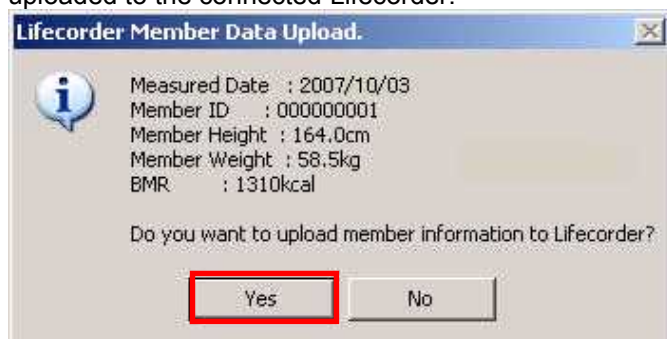
① In case of connection of existing member after '1) Connecting new Lifecorder'

a. If connect the Lifecorder as proceeding the Body Pass program, below windows are appeared continuously. After searching the member using the currently connected Lifecorder, download the data of Lifecorder automatically and upload the latest data of Body Composition Analyzer at the same time.

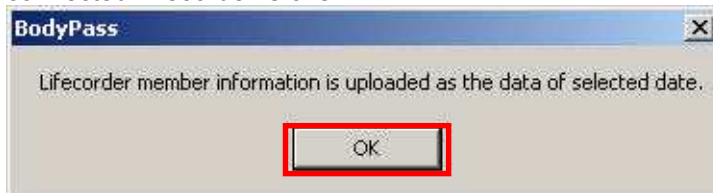


b. On above window, if 'Data download' show, press the 'Save' button and the information of Lifecorder is saved. The saved Lifecorder's information is indicating into the Result paper and Lifecorder data screen.

c. Doing 'Transmit member' for the selected member and measure the Body Composition Analyzer. When receive the measurement data, appear the window as below. If press the 'yes' button, the present measurement data, which is shown as follow window, are uploaded to the connected Lifecorder.

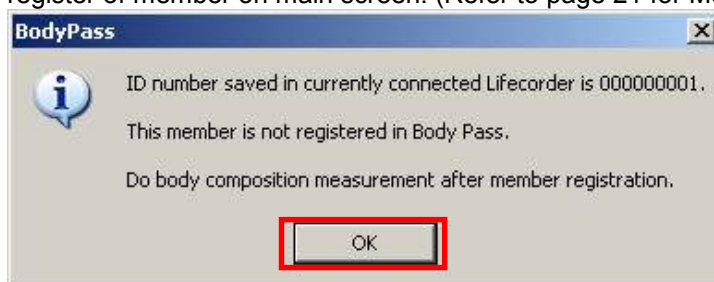


- d. When appear the window as below, click the 'OK' button. Then the data's upload to the connected Lifecorder is over.

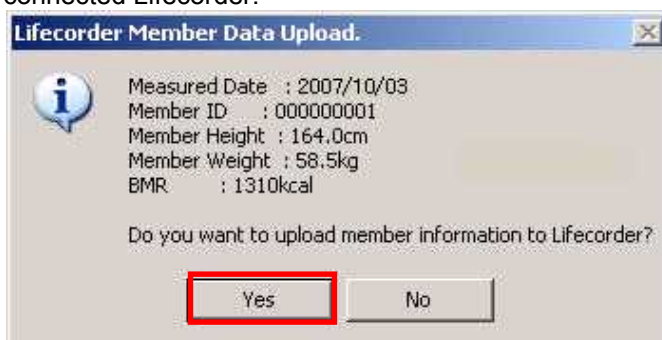


② Using Lifecorder without registering the Body Pass program

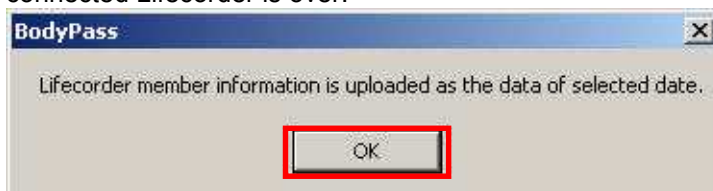
- a. In case the user, who use the Lifecorder first without registering, connects the Lifecorder, if appear the window as below press the 'confirm' button. Member register is not done so register of member on main screen. (Refer to page 21 for Member Registration)



- b. Dong 'Transmit member' to BCA and measure Body Composition. When receive the measuring data from Body Composition Analyzer, appear the window as below. Then press 'Yes' button and current measurement data as below are uploaded to the currently connected Lifecorder.



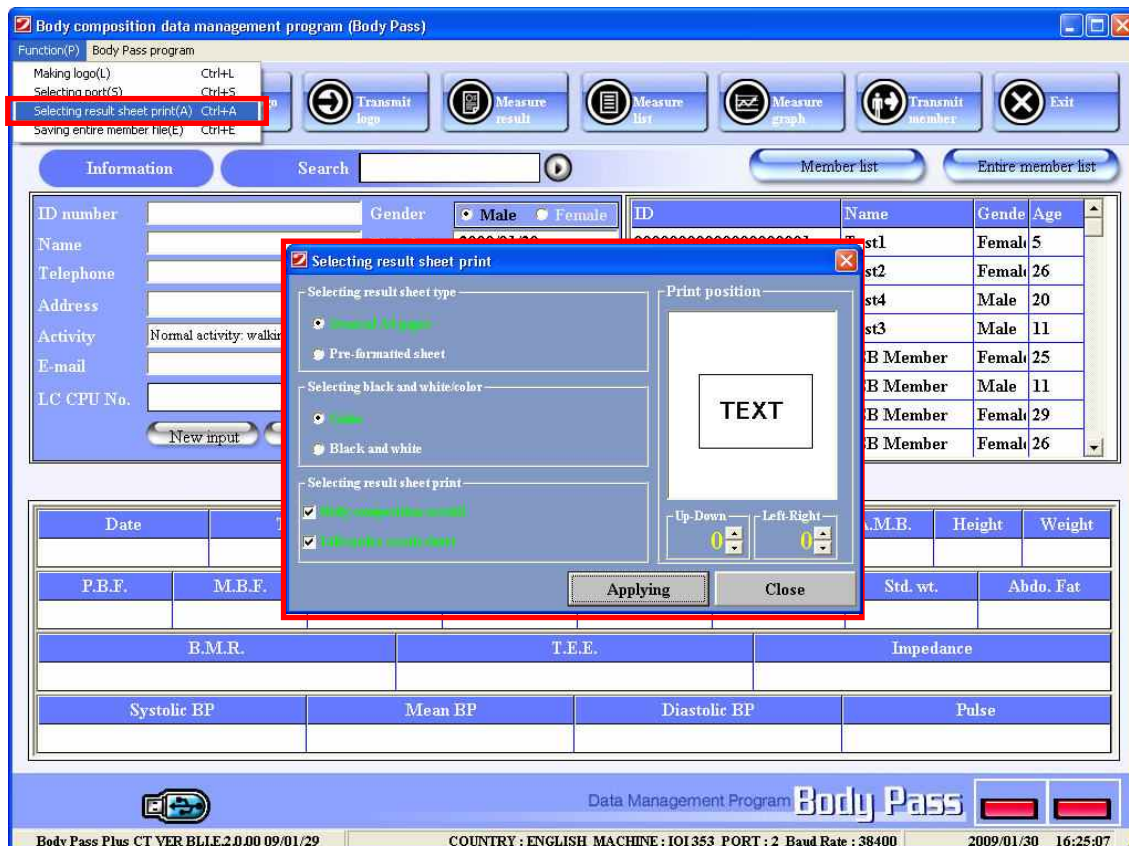
- c. When appear the window as below, click the 'OK' button. Then the data's upload to the connected Lifecorder is over.



9. Setting Result Sheet Print

Click “Function → Selecting result sheet print” on the upper left side of the main screen then the window below appears.

Choose the result sheet you want to see and click “Apply” button.



- 1) Selecting result sheet type: choose general A4 paper printing or pre-formatted sheet printing.
- 2) Selecting black and white/color: choose color printing or black and white printing.
- 3) Selecting result sheet print: choose Body composition result sheet 1 or Lifecorder result sheet.
- 4) Print position: It is possible to adjust print position to fit to the pre-formatted result sheet.
There are two directions of up-down and left-right.

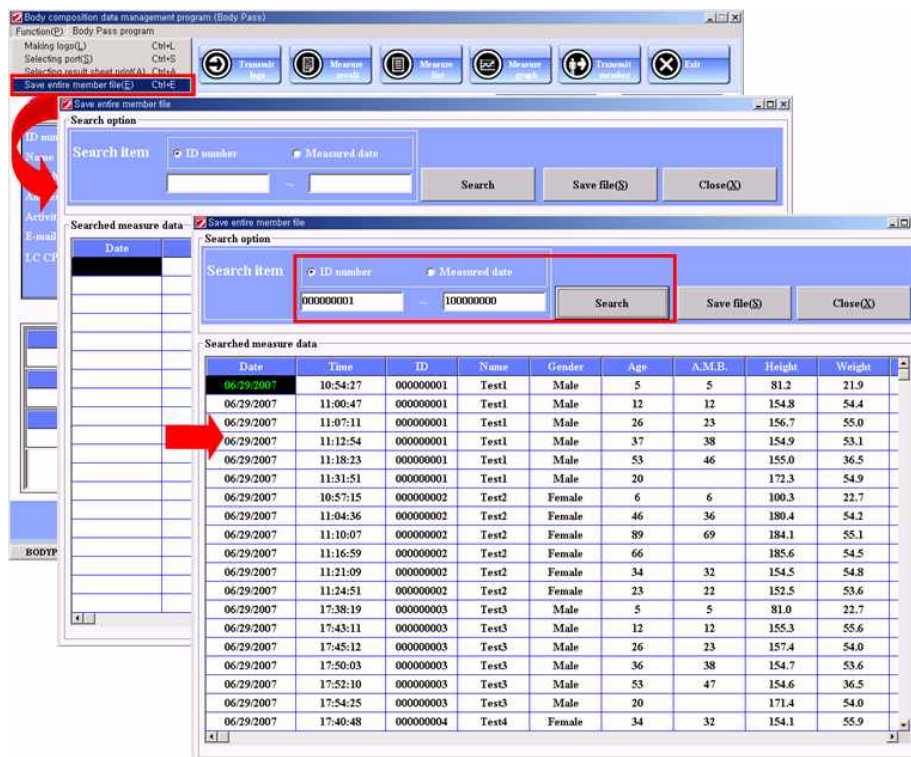
Note

In order to print out with pre-formatted sheet, you must use as printer which we supply with main device. It is impossible to use the printer which customer has had already due to wrong printing position.

10. Saving Entire Member File

This is to save the measured result of entire member as an excel file or a text file.

Click “Function → Save entire member file” on the upper left side of the main screen then “Save entire member file” window appears.



1) **Search:** choose “ID number” or “Measured date” and set search range then click “Search” button. The list of measured result appears in the table.

2) **Save file:** this is to save the list as an excel file or a text file.

① Click “Save file” button then the window on the right appears.

② choose the file type you want and assign “File name” (basically the date_time of doing this job) and “File path” then click “Save” button. When the confirmation window for saving file appears, click “OK” to finish saving the file.



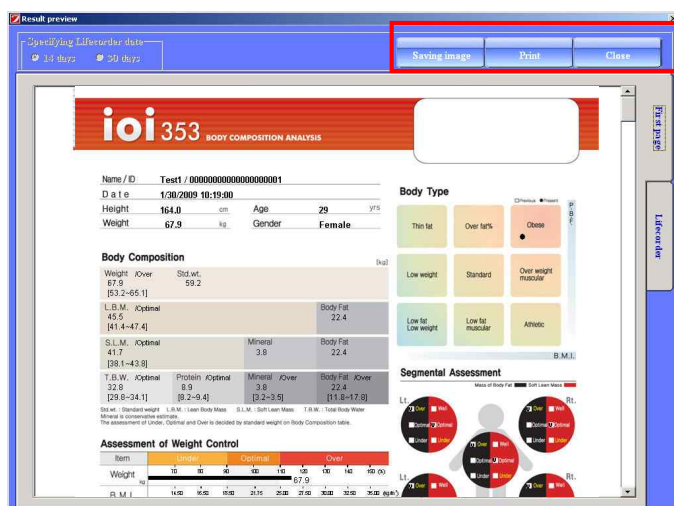
3) **Close:** click “Close” button then the main screen appears.

11. Measured Result



Click “Measure result” button in the main screen or double-click the member you want to see measured result in the measurement list or entire member list then preview of the result sheet appears like the picture on the right.

1) Function



① **Save image:** this is to save the result sheet as a JPG file.

Click “Save image” button then a pop up window appears like the picture on the right.

“File name” (basically the date_time_ID number of doing this job) and “File path” can be assigned as you please. Click “Save” button to finish saving the image.

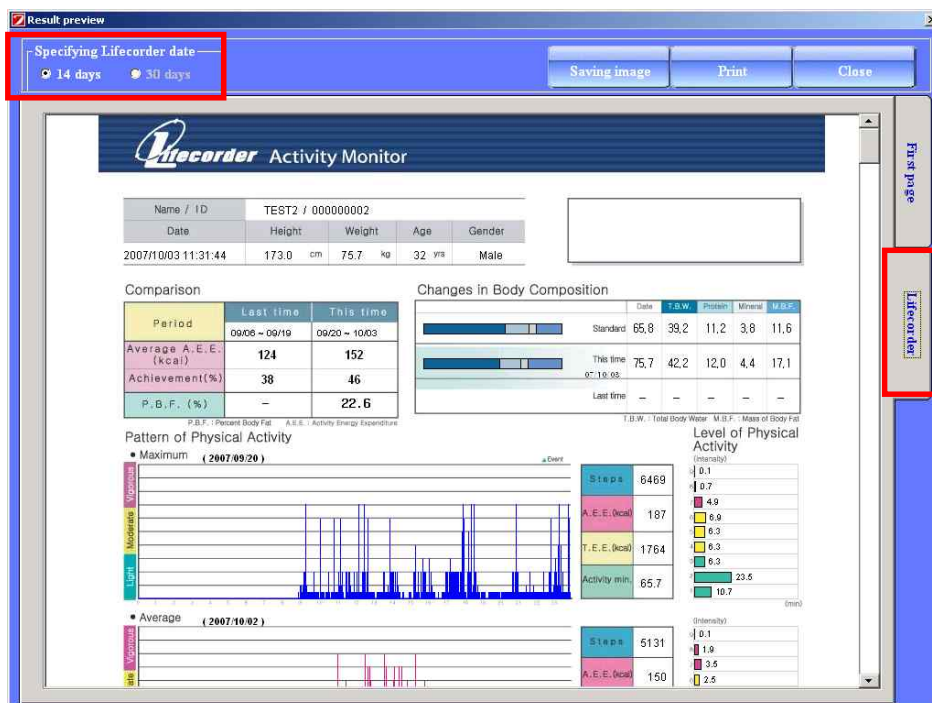
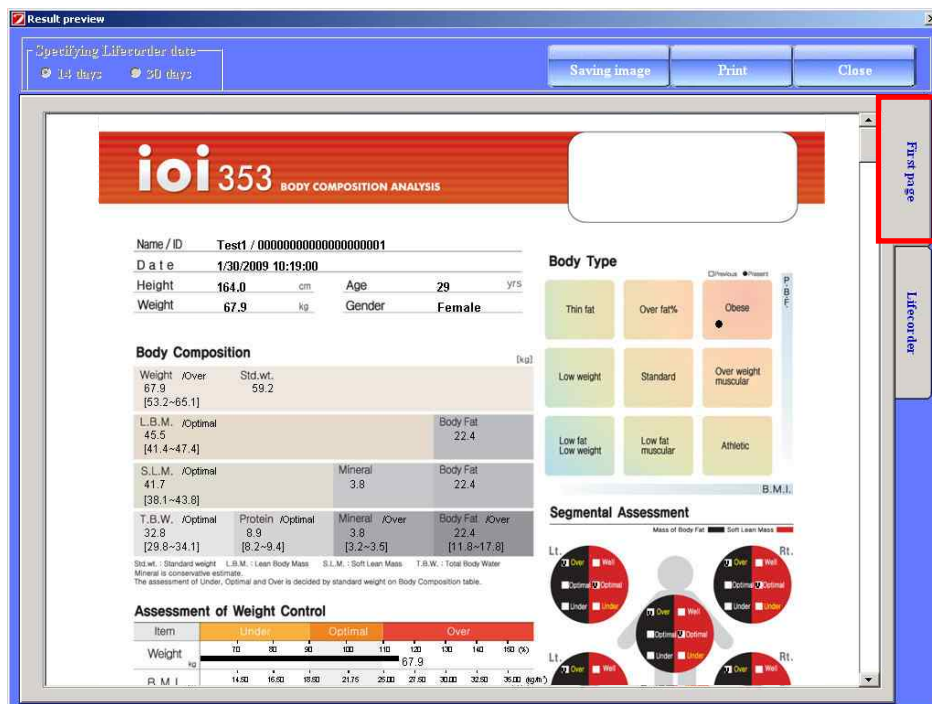


② **Print:** this is to print the result sheet according to the setting for result sheet print.

③ **Close:** click “Close” button then the main screen appears.

2) Result sheet view


You can see Body composition result sheet1, Lifecorder result sheet using vertical tab. Lifecorder date specify 14days or 30day. And Lifecorder result changed according to specifying lifecorder date.



3) Lifecorder Result Sheet Display Conditions

All of the data displayed in Lifecorder result sheet are based on the BCA Measurement date.

And there should exist the data in Lifecorder on the Measurement date.


Lifecorder Activity Monitor

1 Name / ID

Date	Height	Weight	Age	Gender
	cm	kg	yrs	

2

3 Comparison

Period	Last time	This time
Average A.E.E. (kcal)		
Achievement(%)		
P.B.F. (%)		

P.B.F. : Percent Body Fat A.E.E. : Activity Energy Expenditure

4 Changes in Body Composition

	T.B.W.	Protein	Mineral	M.B.F.
Standard				
This time				
Last time				

T.B.W. : Total Body Weight M.B.F. : Mass of Body Fat


5 Pattern of Physical Activity

• Maximum

Vigorous

Moderate

Light




Steps

A.E.E. (kcal)

T.E.E. (kcal)

Activity min.

6 Level of Physical Activity (Intensity)

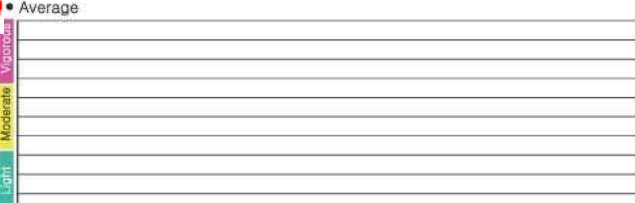


7 • Average

Vigorous

Moderate

Light




Steps

A.E.E. (kcal)

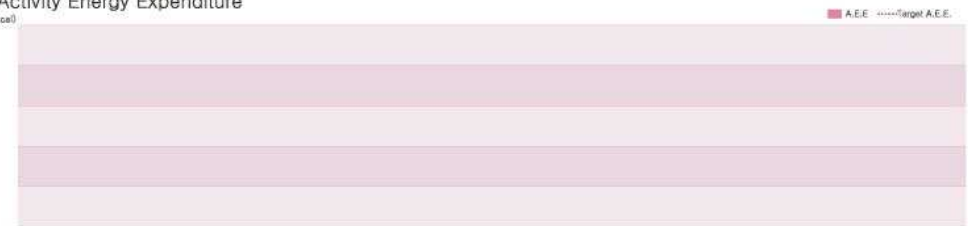
T.E.E. (kcal)

Activity min.

8 Level of Physical Activity (Intensity)




9 Activity Energy Expenditure (kcal)



A.E.E. : Activity Energy Expenditure Target A.E.E. : Target Activity Energy Expenditure

10 Step counts (steps)



- 46 -

① **Patient information** : Name / ID / Height / Weight / Age / Gender

② **Logo image**: display the Logo image

③ **Comparison**

Period	Last time	This time
	01-28 ~ 02-10	02-11 ~ 02-24
Average A.E.E. (kcal)	374	467
Achievement(%)	83	142
P.B.F. (%)	—	22.2

P.B.F. : Percent Body Fat A.E.E. : Activity Energy Expenditure

► **Period** : show the periods of present and past on the basis of BCA Measurement date.

(The period can be set to 14 or 30)

► **Average A.E.E.** : display the average A.E.E. within the selected period from the measurement date

When calculating the average A.E.E.

1. Exclude the first and last day since the Lifecorder data were generated (because the data do not cover 24 hours)
2. Exclude those with less than 50 steps of the data within the period (close to no activities)

► **Achievement**: $(\text{average A.E.E.} \div \text{target A.E.E. set in the Lifecorder}) \times 100$

Since the target A.E.E. can be set by the user, calculate the achievement with the one set at the last minute.



► **P.B.F.(Percent Body Fat)** :

Present→ Display the P.B.F. measured at the moment.

Past→ Display the last data on P.B.F.of the past ones.

(If there is no measurement record in the past, it displays nothing.)

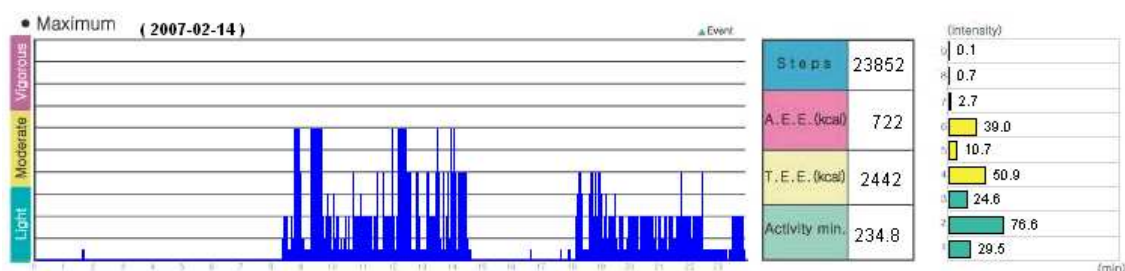
④ **Change in Body Composition**

	Date	T.B.W.	Protein	Mineral	M.B.F.	
	Standard	59,9	35,8	10,1	3,5	10,5
	This time 07-02-24	64,1	35,9	10,3	3,7	14,2
	Last time	—	—	—	—	—

T.B.W. : Total Body Water M.B.F. : Mass of Body Fat

- ▶ Standard Graph: display values of each items on the basis of standard weight calculated from the measurement values at the moment.
- ▶ Graph of the present: display each item's values on the basis of the member's weight at the moment.
- ▶ Graph of the past: display each item's values on the basis of the latest one among the past measurement data that are shown in the comparison of previous data column.
(If there is no measurement record in the past, it displays nothing.)

⑥ Level of Physical Activity(Maximum)



▶ Pattern of Physical Activity:

Display the data of the day when the A.E.E. was the highest in the 24 hour-based graph.

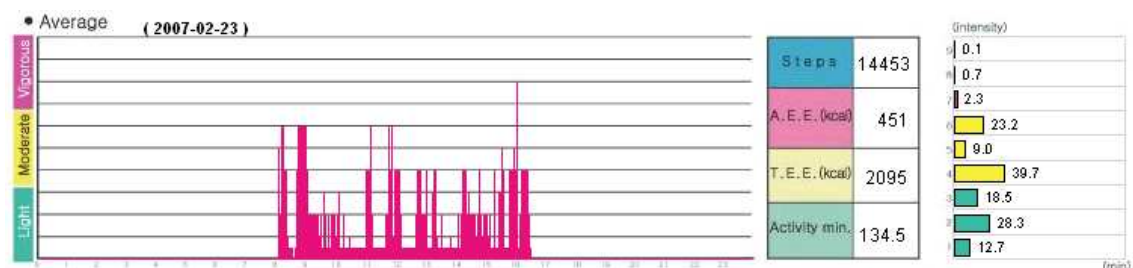
The values of Steps / A.E.E. / T.E.E. / Activity min. are limited to the given day.

When calculating the data of the day with the highest activities,

1. Exclude the first and last day since the Lifecorder data were generated (because the data do not cover 24 hours)
2. Exclude those with less than 50 steps of the data within the period (close to no activities)

- ▶ Level of Physical Activity: Display the activity time of the day with the highest activity into each Activity Level.

⑧ Level of Physical Activity(Average)

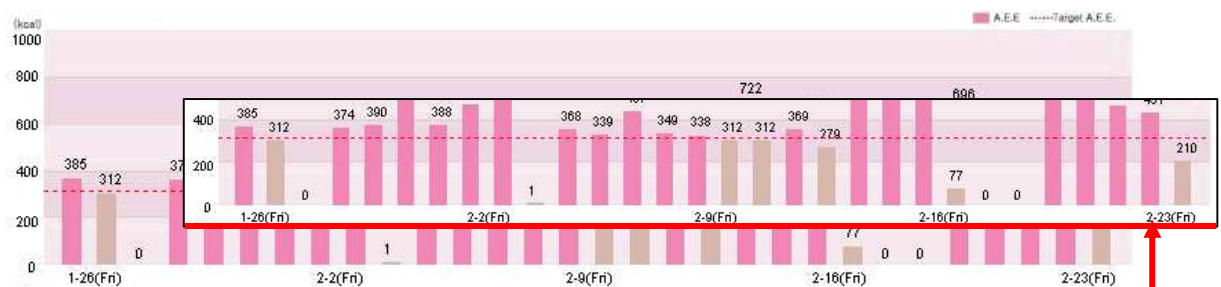


Calculate the average A.E.E. within the current period and if there is no day or date with the corresponding value to the average amount, display the Pattern of Physical Activity and its levels of the day with the closest value(when there are more than 2 days with the close values, the latest day will be based).

When calculating the average A.E.E.

1. Exclude the first and last day since the Lifecorder data were generated (because the data do not cover 24 hours)
2. Exclude those with less than 50 steps of the data within the period (close to no activities)

⑨ Activity Energy Expenditure



- * Show the activity amount within the current period.
- * When there are data for 14 or above, the date displayed in the graph is a weekly basis.
- * The beginning and the last day as well as the day with 0 amount of exercise are also displayed.

⑩ Steps



- * Show the numbers of steps within the current period.
- * When there are data for 14 or above, the date displayed in the graph is a weekly basis.
- * The beginning and the last day as well as the day with no step are also displayed.

12. Measured Result List



Click “Measure list” button in the main screen then “Measured result list” screen appears.

Or click a member in the right list of the main screen first and click “Measure list” button then the measured result list of the member appears.

1) **Search:** choose “ID number” or “Measured date” and set search range then click “Search” button. The list of measured result appears in the table.

2) **Measure result:** click the data you want to see in the list first and click “Measure result” button then preview of the result sheet appears. Or double-click the data then the preview screen appears.

3) **Save:** this is to save the list as an excel file or a text file.

① Click “Save file” button then the window on the right appears.

② Choose the file type you want and assign “File name” (basically the date_time_ID number of doing this job) and “File path” then click “Save”

button. When the confirmation window for saving file appears, click “OK” to finish saving the file.

4) **Print:** this is to print the list.

- ① Click "Print" button then the window below appears.

Selecting print item			
<input checked="" type="checkbox"/> Date	<input type="checkbox"/> Time	<input type="checkbox"/> ID	<input type="checkbox"/> Gender
<input type="checkbox"/> Age	<input type="checkbox"/> A.M.B.	<input type="checkbox"/> Height	<input checked="" type="checkbox"/> Weight
<input checked="" type="checkbox"/> P.B.F.	<input checked="" type="checkbox"/> M.B.F.	<input checked="" type="checkbox"/> L.B.M.	<input checked="" type="checkbox"/> T.B.W.
<input type="checkbox"/> S.L.M.	<input checked="" type="checkbox"/> B.M.I.	<input checked="" type="checkbox"/> Fatness	<input type="checkbox"/> Std. wt.
<input checked="" type="checkbox"/> W.H.R.	<input checked="" type="checkbox"/> B.M.R.	<input checked="" type="checkbox"/> T.E.E.	
<input checked="" type="checkbox"/> Impedance	<input type="checkbox"/> L.C.W.	<input type="checkbox"/> E.C.W.	<input type="checkbox"/> Edema
<input type="checkbox"/> Systolic BP	<input type="checkbox"/> Mean BP	<input type="checkbox"/> Diastolic BP	<input type="checkbox"/> Pulse
<input type="checkbox"/> P.R.P.			

Print(P) Close(H)

- ② Check the items you want to print. If you choose too many items, it becomes out of printable range and a window appears that informs you that selected items are too many to be printed.
- ③ The items selected are printed by clicking "Print" button.
- ④ This window is closed by clicking "Close" button.

5) **Delete:** this is to delete the result you want to remove.

6) **Close:** click "Close" button then the main screen appears.

13. Measured Result Graph



Click the member you want to see measured result graph in the right list of the main screen or in the entire member list. Click “Measure graph” button in the main screen then measure graph screen appears like the picture below.



- 1) **Viewing Graph** : If you select the measurement items and date from the results and press the 'Viewing Graph' button, you are presented with a graph that divided according to the selected items by means of 'Tab'. Pressing each tab displays the corresponding graph.
 - When the graph is completely drawn, the 'Print' and 'Save Image' buttons are activated.
 - Right above the graph marked are the Maximum and Minimum values with the items under search over a given period.
 - Choosing other items in this same level, inactivates the buttons, 'Print' and 'Save Image'. You must click the 'Viewing Graph' button again to view a new graph containing additional items and the 'Print' and 'Save Image' buttons are ready.
 - In case the measurement data pieces are 10 or less, the related dates are all presented. Otherwise, the dates are displayed on a weekly basis.

- 2) **Saving Image** : Pressing the 'Saving Image' button enables saving of the graph as an image file. After pressing the button and selecting the location to save, you can save the graphs with BMP file extensions for each items chosen to be printed out.


Graphs are included in one image and when the entire 7 items are selected a total of 3 images are saved. For the file name, **'First-, Second -, Third -'** is automatically attached to the head of each name of files to be saved.

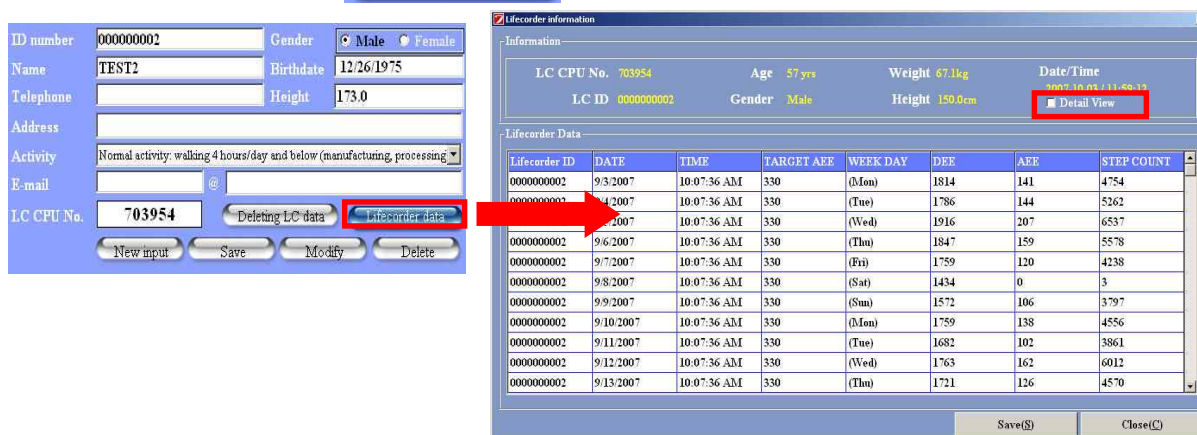
3) Print

Upon pressing the 'Print' button, a message shows reading "Do you want to print out the selected items?" If you select the "OK" button, the printer prints out them on a page with 3 graphs on it. The contents printed are the same as the saved.

4) **Close:** click "Close" button then the main screen appears.

14. How to See the Lifecorder data

On the main screen, choose the member who you want to know the Lifecorder result and press the 'Lifecorder data' button () then you can see the Lifecorder data.



Member Information Form:

ID number: 000000002 Gender: ☒ Male ☐ Female
 Name: TEST2 Birthdate: 12/26/1975
 Telephone: Height: 173.0
 Address:
 Activity: Normal activity: walking 4 hours/day and below (manufacturing, processing)
 E-mail:
 LC CPU No.: 703954
 Buttons: New input, Save, Modify, Delete, Deleting LC data, **Lifecorder data**

Lifecorder information window:

Information:
 LC CPU No. 703954 Age 57 yrs Weight 67.1kg Date/Time 2007.10.03.11:58:15
 LC ID 0000000002 Gender Male Height 150.0cm **Detail View**

Lifecorder Data:

Lifecorder ID	DATE	TIME	TARGET AEE	WEEK DAY	DEE	AEE	STEP COUNT
0000000002	9/3/2007	10:07:36 AM	330	(Mon)	1814	141	4754
0000000002	9/4/2007	10:07:36 AM	330	(Tue)	1786	144	5362
0000000002	9/5/2007	10:07:36 AM	330	(Wed)	1916	207	6537
0000000002	9/6/2007	10:07:36 AM	330	(Thu)	1847	159	5578
0000000002	9/7/2007	10:07:36 AM	330	(Fri)	1759	120	4238
0000000002	9/8/2007	10:07:36 AM	330	(Sat)	1434	0	3
0000000002	9/9/2007	10:07:36 AM	330	(Sun)	1572	106	3797
0000000002	9/10/2007	10:07:36 AM	330	(Mon)	1759	138	4556
0000000002	9/11/2007	10:07:36 AM	330	(Tue)	1682	102	3861
0000000002	9/12/2007	10:07:36 AM	330	(Wed)	1763	162	6012
0000000002	9/13/2007	10:07:36 AM	330	(Thu)	1721	126	4570

Buttons: Save(S), Close(C)

1) There is Lifecorder ID, Date, Time, target AEE, Week day, DEE, AEE, and step count for selected member

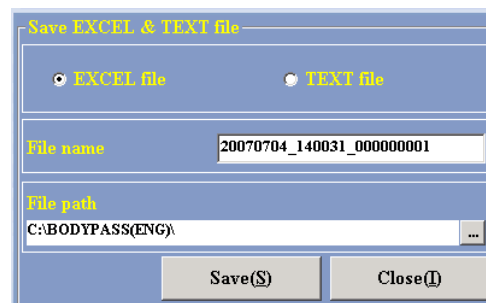
2) For more details information Check the 'Detail View'.

You can have additional data such as intensity of each step, micro movement, and input time of event, etc.

3) Save: this is to save the list as an excel file or a text file.

- ① Click "Save file" button then the window on the right appears.
- ② Choose the file type you want and assign "File name" (basically the date_time_ID number of doing this job) and "File path" then click "Save" button.

When the confirmation window for saving file appears, click "OK" to finish saving the file.



Save EXCEL & TEXT file

☒ EXCEL file ☐ TEXT file

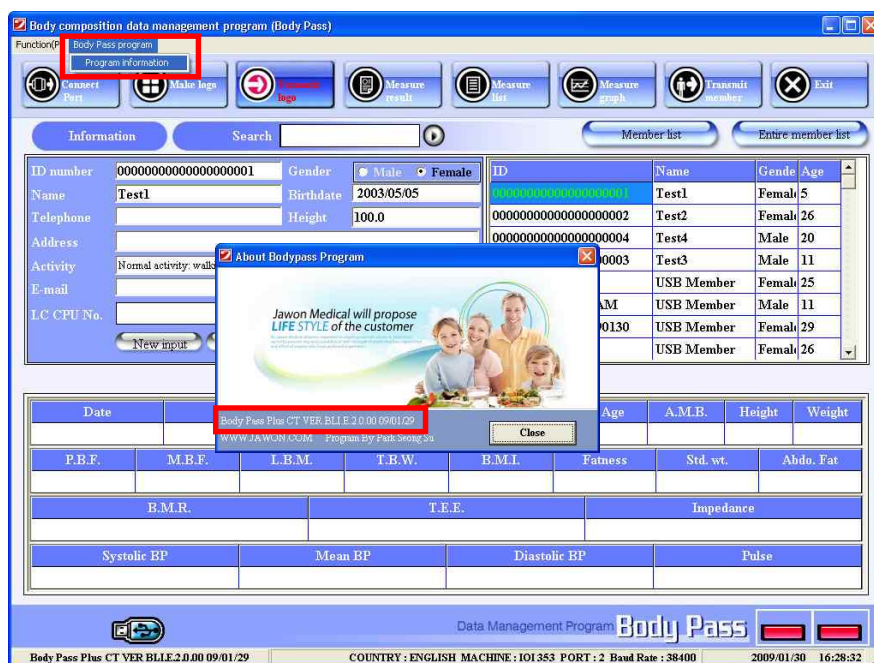
File name: 20070704_140031_000000001

File path: C:\BODYPASS(ENG)\

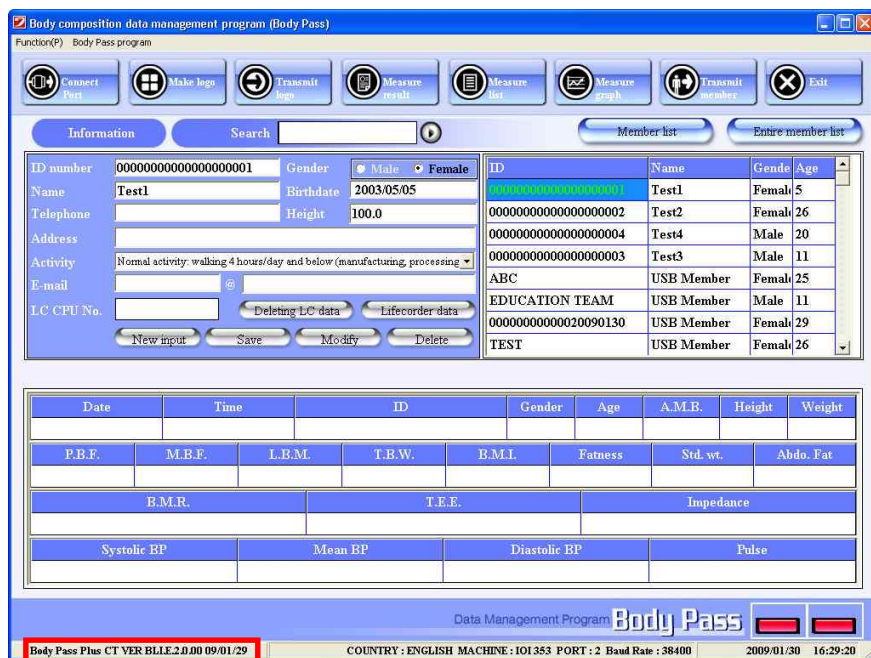
Buttons: Save(S), Close(I)

15. Checking Program Version

- 1) When you check the version of Body Pass program currently used, click “Body Pass program”
→ “Program information” then the program version window appears like the picture below.



- 2) The version is also presented at the left bottom of the main screen.



16. Exiting BodyPass Program



Body Pass program is closed by clicking Exit button in the main screen.

Body composition data management program (Body Pass)

Function(P) Body Pass program

Connect Port Make logs Transmit logs Measure result Measure list Measure graph Transmit member **Exit**

Information Search Member list Entire member list

ID number: 00000000000000000001 Gender: ☒ Male ☐ Female
 Name: Test1 Birthdate: 2003/05/05
 Telephone: Height: 100.0
 Address:
 Activity: Normal activity: walking 4 hours/day and below (manufacturing, processing)
 E-mail:
 I.C. CPU No.: Deleting LC data Lifecorder data
 New input Save Modify Delete

ID	Name	Gender	Age
00000000000000000001	Test1	Female	5
00000000000000000002	Test2	Female	26
00000000000000000004	Test4	Male	20
00000000000000000003	Test3	Male	11
ABC	USB Member	Female	25
EDUCATION TEAM	USB Member	Male	11
000000000000020090130	USB Member	Female	29
TEST	USB Member	Female	26

Date	Time	ID	Gender	Age	A.M.B.	Height	Weight
P.B.F.	M.B.F.	L.B.M.	T.B.W.	B.M.I.	Fatness	Std. wt.	Abdo. Fat
B.M.R.		T.E.E.		Impedance			
Systolic BP		Mean BP		Diastolic BP		Pulse	

Data Management Program **Body Pass**

Body Pass Plus CT VER BLE2.0.00 09/01/29 COUNTRY: ENGLISH MACHINE: 101353 PORT: 2 Baud Rate: 38400 2009/01/30 16:29:20